

News outlet

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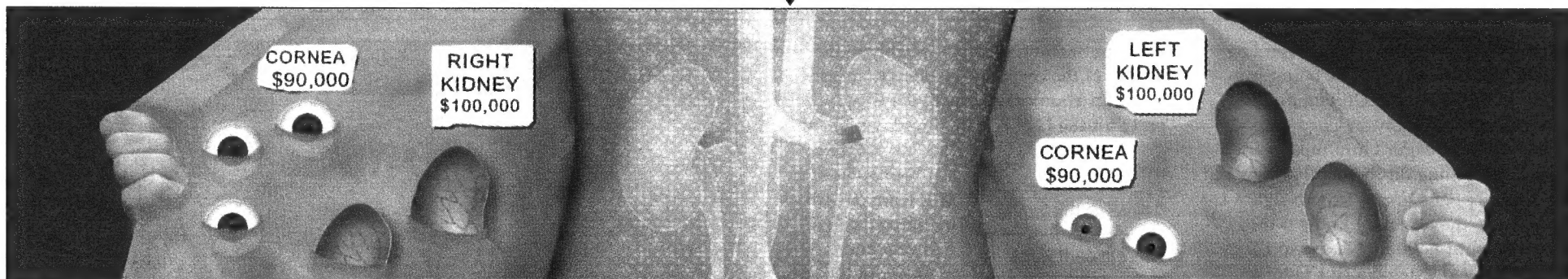
It was once the stuff of urban legends. Now Canadians are confronting the black market in body parts.

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Earth and sky

Student searches for the bricks and mortar of outer space.

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UNIVERSITY OF ALBERTA

folio

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High school student joins research project

Summer program links students with researchers

By Phoebe Dey

Seventeen-year-old Misha Hartfeil might be an anomaly at the Victoria School of the Performing and Visual Arts, where dance and drama reign supreme. The Grade 11 student will spend her summer as part of a University of Alberta psychiatric research team that will investigate how the brain recognizes facial expressions.

Hartfeil is one of 42 students matched with top researchers in the province as part of the six-week Heritage Youth Research Summer program funded by the Alberta Heritage Foundation for Medical Research. The University of Calgary and the University of Lethbridge are also participating in the program, which was modelled after the U of A's Women in Scholarship, Engineering, Science and Technology program. The AHFMR received 154 applications from students across Alberta.

"I was the only one in my school who applied," said Hartfeil, who has learned to love science through the International Baccalaureate program. "My IB teacher is so excited—he's been running around telling everyone."

Hartfeil will be paid to work in the lab of Heritage researcher Dr. Nicholas Coupland, where they will be studying how certain types of drugs affect people's perceptions of facial expressions. Healthy volunteers will be tested on their ability to judge emotions from computer-morphed faces, after taking medicines that temporarily alter the activity of brain chemicals.

"People with depression often think, people don't like me—look at how they are looking at me," but we are trying to see if there are changes in the brain that alter those perceptions," said Coupland. "Misha will be interviewing the healthy participants about general health problems, and she will then do some computerized tests once some of the results start coming in."

Other U of A professors who have signed on for HYRS include Dr. Jonathan



Grade 11 student Misha Hartfeil will join a research study being conducted by Dr. Nicholas Coupland this summer.

Lakey, from the renowned islet transplant program. "AHFMR wanted to make this available to as many schools as possible, so we limited it to two students per school. Then the HYRS students have to go back to their schools and present what they learned and try to spread a bit of that enthusiasm to other students."

Often, the HYRS students end up knowing more about their specific research than their high school teachers, said Ennis. "Some of these students will present things that even their teachers don't know," she laughed. "And last year Jonathan Lakey

"I don't know much about anxiety disorders or depression, but psychiatry has always interested me. I don't really know what to expect, but I imagine I'll learn a lot in six weeks. We don't do any thing like this in high school science."

—Grade 11 student Misha Hartfeil

"My job as a professor is to teach people and do research, and one of the biggest challenges is to get people interested in what I do. Most people think the arts are the creative part, but now we have someone here to help dispel that myth. I hope through this project we'll be able to teach young people to think of things they've never thought of before."

—Dr. Nicholas Coupland

took time out to go to Salisbury High School, where his student was from, and he talked about his diabetes research. In terms of generating interest in science, that really helped."

Coupland hopes Hartfeil, who studies dance at Victoria High School, will leave his lab with a new-found appreciation for research.

"My job as a professor is to teach people and do research, and one of the biggest challenges is to get

people interested in what I do," said Coupland. "Most people think the arts are the creative part, but now we have someone here to help dispel that myth. I hope through this project we'll be able to teach young people to think of things they've never thought of before."

For Hartfeil, she hopes the six weeks will be the kick-off to a career in science. "I don't know much about anxiety disorders or depression, but psychiatry has always interested me," said Hartfeil "I don't really know what to expect, but I imagine I'll learn a lot in six weeks. We don't do anything like this in high school science."

Healthy volunteers and patients with depression, obsessive-compulsive disorder or severe social anxiety can volunteer to take part in research by calling 492-0617. ■

U of A celebrates second place in Corporate Challenge

Players say event helps build community

By Ryan Smith

Shannon Qualie plans to "accumulate junk" all year so she'll be better prepared to represent the University of Alberta in the Edmonton Corporate Challenge Scavenger Hunt next year. "We found everything on the list this year but salt and pepper shakers from Niagara Falls. I asked everyone I know if they had them, but no luck. Next year I'll be ready," vowed Qualie, a computer analyst in the U of A Department of Chemistry.

Qualie was one of 160 U of A faculty and staff members who participated in the annual Edmonton Corporate Challenge (ECC). The U of A team was hoping to surpass the Edmonton Police Service and improve on last year's second-place finish. The team met half of its goal, defeating the EPS but again finishing second.

The team finished three points behind TELUS Communications in the ECC Red division, which is for teams with an employee base of greater than 676.

"I think this was the closest finish

between first and second probably in the history of the corporate challenge," organizer John Younk said during the wrap party for the U of A team Tuesday night at the Power Plant.

"I didn't do this for the competition. It was a

good opportunity to

meet people from

around the U of A and

spend time with them

outside of work in a

healthy way—I hope I

can do it again next

year."

—Grad student and distance runner Christian Bohm

Younk, the U of A team co-ordinator for the ECC this year and manager of the ONEcard office by day, added that not winning was not the important thing, anyway. "Team building is key," Younk said. "I probably met 50 new people at the U of A because of the challenge, and I hope everyone else met at least 10 other people...The true benefit is getting everyone together."

Although Dr. Christian Bohm, a Swiss post-doctorate student in the Department of Earth and Atmospheric Sciences, describes himself as a "fairly competitive" runner with a personal best marathon time of 2 hours 35 minutes, he agrees with Younk that the ECC is more fun than cut-throat.

"I didn't do this for the competition," said Bohm, who nevertheless finished second overall in the five-mile run.

"It was a good opportunity to meet people from around the U of A and spend time with them outside of work in a healthy way—I hope I can do it again next



Members of the U of A Corporate Challenge team celebrated another second-place win in the city-wide event.

year."

Younk downplayed light-hearted suggestions that the U of A "threw" the challenge, allowing TELUS to win, because of the U of A's strategic funding alliances with the telecommunications company. "No way," he said, smiling.

"I think everyone was in tune with how close we were to TELUS right up to the end. It came down to the last few events and we almost caught them, but we gave it our best."

The ECC Red division, for the largest companies and institutions in the competition, included more than 30 teams compet-

ing in 23 events which ranged from badminton to horseshoes to volleyball.

One of the U of A's five gold medals came in the darts competition. "We practiced every Wednesday night since the competition last year in order to prepare for this," said Carol-Anne McEwen, a lab assistant in the Faculty of Pharmacy and Pharmaceutical Sciences.

"I knew we had a good chance because I play all the time and I knew my teammates were good. I think I was our weakest link, but it came down to the last shot and I made it for the win. It's something I won't forget anytime soon." ■

folio

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Plans underway for international residence

Student residents would live and learn in unique setting

By Richard Cairney

The University of Alberta is looking to develop a more comprehensive, multicultural experience for students from Canada and abroad, through the creation of a new international centre for living and learning.

Former chancellor Lou Hyndman is chairing an 18-member task force with representation from both campus and the community, charged with recommending the shape such a centre would take. Hyndman says the ideal centre would be more than just housing for students—it would offer residents a chance to learn about other cultures through everyday activities in a truly international setting.

"We can only truly equip students to become tomorrow's leaders if we make the University of Alberta experience an international one," says President Rod Fraser.

"This is an exciting concept and one that has worked very well in top international universities."

The task force has been studying other international centres and has discovered a variety of experiences can be offered to enrich a student's university education. At one centre in London, Hyndman said, different cultures take turns providing information about them-

selves and their traditions.

"On Monday night, you might have a group of Mexican students showing off Mexican art, and on Wednesday it might be someone from the Pacific Rim displaying an element of their culture—

Vietnamese cooking for example," he said.

The London centre, he added, recently held a seminar, opened to the public and media, on the issue of slavery.

"There were people from a number of disciplines making presentations, from sociologists and doctors to historians, talking about working conditions some people experience today and the history of slavery," Hyndman said.

So students living in such a centre need to commit themselves to receiving an extra-curricular education in multicultural living.

"The people there are people who reach out, people who are potential leaders in their own countries or in Canada or both, and people who are prepared and willing and keen to experience different international cultures. It is quite an interesting approach."

Hyndman's task force is expected to provide its findings and recommendations in August.

"We have looked at about 15 (interna-

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—Lou Hyndman

tional centres) so far," said Hyndman.

"We are now picking the brains of these international entities around the world and finding what is single most important reason for their success, and how would they do it differently if they had the chance."

Hyndman said the task force is also consulting with different groups in the city, to listen to some ideas they might have for an international centre. "We are seeking the input of about 125 ethno-cultural groups, asking them about their thoughts. We've even got down to asking if they would consider arranging scholarships or bursaries for students from their own countries. We're trying to consult with everyone who will be interested or involved in any way."

Anyone interested in offering suggestions to the task force can contact David Wu at 492-2692 or via e-mail at qjuling@ualberta.ca . ■

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How much is the gift of life worth?

The black market in human organs is under intense scrutiny

By Richard Cairney

Robin Allen knows precisely how long he was on dialysis: two years, eight months and 26 days. Near the end of that time Allen, who had suffered from polycystic kidney disease, visited the hospital five days each week. Finally, he received a kidney transplant.

"If organ donation becomes a financial transaction, well, maybe I am an old hippie communist guy and think money spoils everything, but when you open up for sale what is a completely unselfish act and a beautiful thing to do, it becomes grotty."

—Kidney recipient Robin Allen

Allen is eternally grateful for the organ donor—dialysis, he says, is not a pleasant thing. "I've got the marks on my arms to prove it," he says of the large-gauge needles involved in the procedure. The treatments take over your life, dictating your schedule. And there are side-effects: patients are asked to limit their fluid intake to one litre per day, leaving them parched

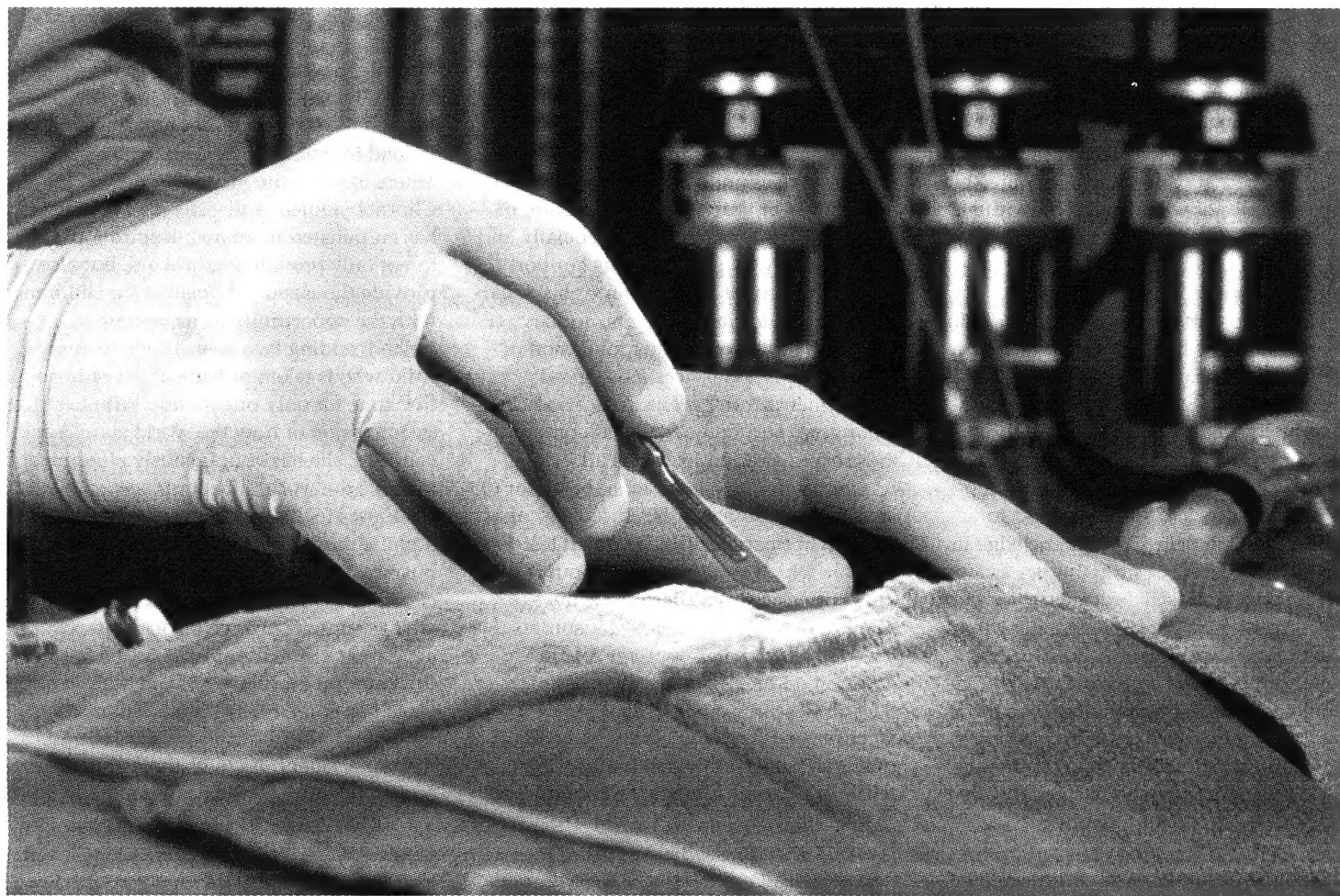
much of the time. And some patients suffer a condition which causes their skin to itch—scratching only aggravates the problem—and Allen was one of those who suffered such symptoms.

"If you scratch, the itching gets worse, and your skin turns red. I'd jump into a bathtub filled with hot water, then rub myself with ice just to try and get some sleep," said Allen, a radio news broadcaster. "The only good thing I can say about the itch is that it took my mind off how thirsty I was all the time. When your kidneys don't work, you can't get rid of excess fluid at all. And so they gave us fluid restrictions that were just unreal...but I could drive around the planet without making a single bathroom stop."

And yet Allen knows he may well have faced a worse fate. He is one of the lucky few Canadians who have received a donated organ. Traditionally, the odds are against persons waiting for organ donations. Last year, 147 Canadians died while awaiting transplants. Canada, with an organ and tissue donation rate of just 14 per one million persons, has one of the lowest donation rates in the industrialized world.

Knowing that donated organs are in short supply, some Canadians have turned to the international black market. Media reports in recent years have shed light on these shady operations, in which self-styled 'brokers' arrange the sales of organs to patients who can pay. Kidneys are the most commonly traded organs, and in most cases, poor persons in developing nations sell a kidney to wealthy patients. The cost for an organ can run over \$100,000 but the person who actually sells an organ often sees very little of what amounts to a tremendous fortune. Recently, Canadians have advertised the sale of their own, healthy kidneys in search of a quick financial windfall.

Dr. Kim Solez, a professor of pathology and director of a patient-care and education program with the U.S. National



The illegal sale of human organs, once the stuff of urban legends, has become a real concern in industrialized nations.

Kidney Foundation, has intimate experience with such transactions. In 1997, he and a group of colleagues from around the world, after gaining access to a directory of patients, led the FBI to an American organ broker who had been advertising his services to patients awaiting kidney transplants. The man was arrested in Europe and imprisoned, but only for a short period of a few months. Still, Solez has no qualms about his role in the man's arrest.

"What he was doing is wrong because providing a health benefit shouldn't be something that takes away health from somebody else and is compensated by monetary payment, most of which goes to some third party," Solez said. "The donors don't recognize the risk to themselves. The usual way of obtaining the transplant has none of this aspect of purchasing human life."

The trade in human organs is illegal in Canada and the U.S. and considered immoral in many quarters, regardless of its legality. But if so many people are dying because of a lack of human organ donors, why should we prevent such transactions from occurring?

"I just don't know what else it would take to live up to the word 'dehumanizing,'" says Dr. Laura Shanner, a University of Alberta professor of health ethics with the John Dossetor Health Ethics Centre. "My take on it is, without diminishing the needs and interest of people suffering

organ failure...as soon as people's body parts have a price tag we have sold ourselves. That is a hard line for me, and I don't have many hard lines."

A healthy kidney may benefit a recipient, and money may benefit someone desperate enough to sell an organ from their own body, Shanner says. "But someone is going to have to convince me that saving our lives from organ failure is worth every imaginable cost."

Despite the hardships he endured

while on dialysis, Allen feels the same way. Asked if he would have bought a kidney if the possibility had presented itself, Allen responded with a definite 'no.'

"I have been asking myself that very question as I've been reading these articles over the past couple of weeks," Allen said. "I like to think I'd have the moral fibre to say this is shameful to exploit people who are so poor and desperate they are willing to sell body parts."

Those same media reports have put forward the suggestion that, because the sale of human organs occurs anyway, governments ought to simply regulate the practice.

Allen feels organ donation is above finance. An organ is the gift of life, he says, not a commodity.

"If organ donation becomes a financial transaction, well, maybe I am an old hippie communist guy and think money spoils everything, but when you open up for sale what is a completely unselfish act and a

beautiful thing to do, it becomes grotty."

Allen says it's a sad situation to even ask the question, 'why shouldn't people who can pay \$150,000 be allowed to buy an organ?' "It seems wrong to me. It seems that if it is going on we should try to do something to solve it, and the solution isn't that they should have the right to sell off body parts; we should be doing something about the conditions that led them to this place."

Solez says something needs to be done, too, about the donor rate in Canada, in order to speed up the transplant process and make the purchase of organs less enticing. To that end, federal health minister Allan Rock announced a \$20-million initiative in April aimed at improving Canada's poor donation rates.

Other options include xenotransplantation, the use of animal organs in humans. The problem with xenotransplants is the possibility of animal viruses jumping into human populations. But Allen says that, if the procedure were safe, he'd go for it.

"Apparently there are still some pretty big problems with that, but if it were made safe, hell—it wouldn't bother me in the least," said Allen. "I would take kidneys from a German shepherd, a baboon, a pig. I'd even be willing to take one of the pig's kidney's and promise to take care of that pig for the rest of its natural life."

Ultimately, he adds, organs need to be donated out of pure kindness.

"I don't know how to put this without sounding really corny, but the kidney I got came from a guy killed in a tragic, tragic accident, and in the midst of all this grief his family decided to give this gift to someone they didn't know. If it is a gift, it certainly makes me more aware of everybody's humanity, and I think, 'Geez, it isn't such a bad old world after all.' " ■

message from the • president

The power of one

Honorary degree recipients are shining stars

By Dr. Rod Fraser

Each day of convocation, as our graduates cross the stage to receive their degrees, we also acknowledge one additional person for his or her exemplary achievements — the honorary degree recipient. These recipients are outstanding examples of individuals who have made powerful contributions to our society, on local to international scales. They are shining examples of what driven individuals can achieve, and serve as models for the standard of excellence we hope our students will strive for in their futures.

Don Tapscott is an excellent model for the relevance of life-long learning. As someone who has seized the opportunities provided by the information super-highway, he has led us in thinking intellectually about the Internet and various new media, and the many implications they have on our society, from business to rethinking democracy. His knowledge in terms of the Internet's capabilities as a profound medium has led former American Vice-President Al Gore to consider Mr. Tapscott as "one of the world's leading cyber-gurus." This creative and adaptive thinker shares his wealth of information worldwide as a speaker in high demand.

Herbert Belcourt is an exceptional local businessman who has generously

given back to the community, developing many programs and opportunities for aboriginal people. Through his efforts and advocacy, he has improved living conditions for hundreds of families. He has raised awareness in the community and in political arenas about fetal alcohol syndrome, spurring increased research into its causes and treatments. He strongly believes in the power of education to help aboriginal people thrive socially and economically, as proven in his support to the University of Alberta through scholarships for aboriginal students, and an endowment to create the foundation of Native Student Services' aboriginal recruitment strategy. His dedication to the aboriginal and non-aboriginal communities serves as a model for us all.

Dr. Henry Friesen is an ambassador for excellence in research. His discovery of a human hormone, and subsequent test for tumors which secrete excess amounts of this hormone, have affected the lives of thousands with reproductive disorders. He has also played an important role in the creation of the Canadian Institutes of Health Research, and led such funding agencies to broaden the scope of medical research being supported in Canada. As chair of Genome Canada, he continues to

lead our country in areas of vital importance. His undertakings, past to present, are testament to the critical importance of research to the future of our country.

Adeline Roche is a champion for humanity. She has stretched her arms far beyond the borders of her home country of Ireland to touch the devastated lives of others, namely the victims of the Chernobyl nuclear disaster. Her leadership has culminated in an awe-inspiring project to not only provide medical aid, but also provide thousands of Belarussian children with the opportunity to recuperate in Ireland, adding two years of life to every child who is taken outside of the radioactive zone for only one month. With her strong vision of how the world should and could be, she has courageously attempted to make the world a better place.

Erast Huculak is an entrepreneur with a philanthropic heart. An accomplished businessman, he has harnessed that success to further humanitarian causes, as well as support projects related to his ancestral ties to Ukraine. As founder and director of the Children of Chernobyl Canadian fund, he has provided much humanitarian support to victims of the nuclear accident. As well, through his generous philanthropy, he has promoted

increased relations between Ukraine and Canada, on both government and citizenry levels. A primary example of this is his funding of the University of Alberta's Huculak Chair of Ukrainian Culture and Ethnography, which is housed in the only centre for Ukrainian studies in North America.

Professor Oluwole Soyinka is an exceptional playwright, poet and novelist who has nobly searched for truth amidst turmoil. His written work reflects the political and cultural strife of his life in Africa. Throughout his life, he has remained a light of truth, speaking out in pursuit of the truth despite the risk to his life. For outwardly standing fast to his views, he has been imprisoned, held in solitary confinement, and finally forced into exile from his native Nigeria. He is the embodiment of our University motto, *Quaecumque Vera* — whatever things are true.

This year's honorary degree recipients are sterling examples of the power of one — the power of one person to make a difference. As a university that strives to provide our students with the skills and knowledge to be the leaders of tomorrow, our honorary degree recipients are inspiration for what our students can accomplish as they make their way in the world. ■



Ingles receives honours in a field with rich rewards

Peer recognition is nice, but there's more to it than that

By Gilbert A. Bouchard

For Ernie Ingles, the best part of winning the Canadian Library Association's Outstanding Service to Librarianship Award is knowing that he's receiving the full recognition of his peers.

"It's always great to get recognition via an institutional award, but getting peer recognition is extra special—it means I've made a mark," says the University of Alberta's Associate Vice-President (Learning Systems) and Chief Librarian.

The service award, presented to Ingles at the opening ceremony of the annual conference of the Canadian Library Association earlier this week in Winnipeg, is the highest honour granted by the association and marks outstanding, long-term achievement of lasting significance in the development of Canadian library service. Ingles' work in the field is certainly vast and definitely of national scope, including work on more than 120 professional associations and related committees.

Highlights of this service include: acting as founding executive director of the Canadian Institute for Historical Microreproductions, playing a key role in the creation of the Northern Exposure to Leadership Institute, and holding the presidencies of the Canadian Library Association, the Bibliographical Society of Canada, the Council of Prairie and Pacific

University Libraries, and the Saskatchewan Library Association.

Ingles, who held library positions at the University of British Columbia, the University of Calgary and the University of Regina before joining the U of A in 1990, is currently Chair of the Advisory Board of the Canada Institute for Scientific and Technical Information, and the Steering Committee of the Canadian Initiative on Digital Libraries.

As euphoric as the award leaves him feeling, the ever-modest Ingles is quick to share credit with his dedicated, hard-working staff. "An award like this means that you have so many good people standing behind you," says the Calgary-raised academic,

who earned a B.A. and M.A. in history, and a M.L.S. from the University of British Columbia. "So many things that I'm known for are the product of many hands. We have one of the best libraries in North America that has itself won numerous awards because of this wonderful group of folks."

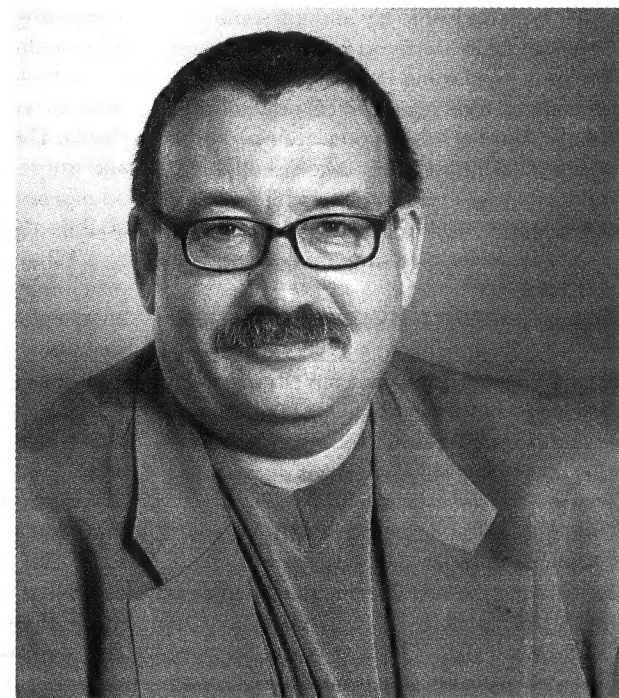
Ingles is especially proud that the U of A's vast library holdings (5.4 million volumes, 31,000 current serial titles) are ranked second in Canada and 26th among North America's 110 major research libraries. That ranking is a feat that's especially stunning given the reduced

resources Ingles and his staff had to work with during the last decade. Budget cuts in the mid-90s, for example, saw his staff reduced from 420 to 280.

"It's a measure of the resilience of the staff that they maintained such a high level of service despite the cutbacks—it demonstrates a real creativity and the ability to adapt," he said, noting that the financial outlook for the U of A libraries is much improved.

"Libraries, public and research, are always second on everybody's list and it's always a tough sell, but people do see the value and the service provided by good collection building," he said. A good library, he added, can be a factor in luring talented researchers and teachers to an institution. "No library can provide everything for everybody, but a good indicator of our service is the 80,000 requests we receive a year for inter-library loans—the fifth highest."

The service provided by a library is long-term. "It's building a collection for future generations as well as for current researchers," says Ingles. It's also a task that is growing increasingly complicated, given the demands for the collection of electronic and digital information. "It's more than just buying books and putting them on the shelf. So much of the information in the sciences are in electronic form."



University of Alberta Associate Vice-President (Learning Systems) Ernie Ingles, who also serves as chief librarian, has been awarded the Canadian Library Association's Outstanding Service to Librarianship Award.

A life-long fan of libraries and their value to society, Ingles believes that libraries have always been in the business of "life-long learning" and were doing so long before this concept became a business buzzword.

"You can't imagine the feeling you get seeing a mother learn to read alongside her children, working in a library literacy program," he said. "There's no better feeling and that was the reason I went into library science: I know that at the end of the day I've made a difference." ■

What's so virtuous about moderation in politics?

Just ask George W.—moderation is fine, but only in moderation

By Judith Garber

Last week, the desk of Vermont Senator James Jeffords was carried across the aisle of the United States Senate chamber. Never has moving a piece of office furniture involved so much public display of emotion, for when Jeffords left the Republicans to become a Democratic-affiliated independent, the Democrats gained control of the Senate and party dynamics changed nationally. The word of the moment is not, however, "partisanship," it is "moderation." Moderation is the principle for which Jeffords stands and towards which Americans have gravitated. Moderation is praised lavishly and often, but is it really a political virtue?

Jeffords' switch has genuine policy and political consequences. His decision has also, precisely because it is significant, been widely examined in terms of its virtuousness, with newspaper commentaries even citing political philosophers. Overall, the media have been kind to Jeffords, but there is disagreement about the virtue in his action. He has been called undemocratic (in thwarting the intent of Vermont and American voters) and democratic (in representing his state's ideology and interests); honest (for adhering to his own principles) and deceptive (for defecting post-election); traitorous (to Republican colleagues) and loyal (to the Republicans' Lincolnesque heritage).

Notably, however, there is considerable agreement among analysts and politicians that moderation is a virtue—after all, Republican immoderation alienated Jeffords. Moderation seems like the obvious reaction to a closely divided govern-

ment, especially in the American checks-and-balances system. Indeed, the major policy implication of Democratic control of the Senate leadership and committees will be the chance to defuse the most conservative elements of the Bush administration's agenda (the National Missile Defense system, oil drilling in the Arctic National Wildlife Refuge, withdrawal of U.S. troops from the Balkans, etc.). Tempering ideology and partisan behaviour is also increasingly deemed laudable. People associate moderation with decency towards opponents (a courtesy the White House and then-Majority Leader Trent Lott failed to extend to Jeffords) and allowing elected officials to follow their consciences freely. It may include softening the harshest effects of economic or social policies on vulnerable populations like children.

Talking moderately seems as important as acting moderately. The Democrats already achieved profound moderation during Bill Clinton's presidency on issues from trade to budget deficits to crime; thus, new Majority Leader Tom Daschle need only reiterate his quest for bipartisanship and balance in policy deliberations, and showcase continuing tolerance for conservative members from Georgia and Louisiana. As born-again moderates, Republicans must work to leaven the hard conservatism of the Southern party leader-

ship, and to prevent further defections by Northeastern (and female) members over issues like abortion, health care, and the environment. One House Republican proclaimed that "both parties need to hug

their moderates;" it was the Republicans alone who reportedly physically embraced startled colleagues from states like Pennsylvania and Maine.

A justification for acting moderately is the character of the American electorate. White males and African-Americans excepted, every other sizeable demographic slice of voters is treated as basi-

cally moderate; suburban white women are particularly decisive. Party identification is weak, and last November's election—an exact tie in Senate seats and virtual ties in every other measure of Congressional and Presidential voting—is endlessly interpreted as a true moderating force in U.S. politics. If Americans are moderate, should representatives not be moderate, too?

Efforts to locate a middle ground between the Canadian Alliance and Progressive Conservatives, like the New Labour victory in last week's British election, suggest that moderation is not today a uniquely American value. Although moderation is unarguably popular within political discourse, it is not necessarily virtuous. First, moderation is meaningless without other virtues—open-mindedness

and the ability to engage in thoughtful debate—that are scarce among elected officials in the U.S. and elsewhere. If moderation merely entails tolerating a few mavericks, and bargaining with them when necessary, it will not improve the political process or its outcomes. Further, moderation is not a genuine virtue if it is primarily obstructionist. Many Americans are relieved that Democrats can now stop certain extremely conservative initiatives, but this is not itself moderation. Nor does it provide a persuasive critique of these initiatives or invite voters to make more moderate choices.

Finally, the language of moderation masks an ideological stance. Jeffords nudged American political possibilities to the centre, but it has shifted far enough to the right that moderation is actually conservatism, or neo-liberalism. (Jeffords himself is often left of centre!) Both Democrats and Republicans officially consider "moderate" tax cuts for people of "moderate" means a virtue; liberal and social democratic parties in Canada and Europe have similarly shifted. Interestingly, the New Democratic Party is rethinking its moderated stance, since it has stranded voters on the left without a voice or choice; conservatives make this complaint in other contexts. Political moderation is often preferable to rigidity, but it is not as universally virtuous as political leaders would have us believe. ■

(Judith Garber, an associate professor of political science who specializes in U.S. politics and urban politics, is completing a sabbatical at San Francisco State University.)

folio letters to the editor

Engineering grad is a real role model

Folio article helps encourage Aboriginal students

I wanted to thank *Folio* writer David Beharry for his very well written article about engineering student Lloyd Mandeville who is graduating during this convocation (*Trapper's son reaches career milestone, Folio*, June 1, 2001).

Lloyd is a tremendously humble man who deserves the recognition of the struggle he endured to achieve his goal of becoming a civil engineer. Specifically, the article sends a clear and powerful message that Aboriginal students from across Canada can achieve what they set their minds to, at anytime in their lives.

Lloyd is a role model and our Aboriginal community is short on role models.

Thank you for your time and effort to write such a good story that documents

Lloyd's humble beginnings, his struggle, and his success.

Good work!

Lewis Cardinal
Director and Co-ordinator
Office of Native Student Services
University of Alberta

folio letters to the editor

Folio welcomes letters to the editor. Send your thoughts and opinions via e-mail to richard.cairney@ualberta.ca, fax at 492-2997, or by mail to Folio, Office of Public Affairs, 6th floor General Services Building, Edmonton, Alberta T6G 2H1. Letters may be edited for grammar, style, accuracy and length.

Richard Eaton article helps spread the word

A couple of errors require correction, though

Thank you for Tom Murray's article on the launch of my book, *A Passion for Music*, a biography of Richard S. Eaton (*Richard Eaton Singers brought music to the people, Folio*, June 1, 2001).

I have just received a copy of the review, and should like to correct two errors that crept into the item. Richard Eaton did not found the University of Alberta Mixed Chorus; medical student Gordon Clark did, in 1944. When Clark was obliged to give up the leadership of the chorus in 1947 due to the pressure of his studies, Professor Eaton assumed the leadership, becoming the UAMC's second conductor. Eaton led the Mixed Chorus for 20 years.

Richard Eaton did found the University Singers, a community-based adult choir, and led it from 1951 to 1967.

The choir was renamed the Richard Eaton Singers in 1969. The two choirs are sometimes confused because in the early days their names were somewhat similar, and because Eaton led them both. I hope this sets the record straight.

Regarding Richard Eaton's education background: he left school after completing Grade 8. When he was offered a music scholarship at McGill he couldn't accept it because he hadn't begun high school. He entered high school when he was 19.

I appreciate Folio's interest in my book. I think many people will find the Eaton story fascinating, regardless of whether or not they knew this visionary Alberta pioneer or were/are involved in music.

Margaret C. Matheson
Edmonton

Staging a coup can be a bloody business

No, it isn't a Canadian Alliance leadership race, it's *Richard III*

By Tom Murray

Now in its thirteenth year of production, the River City Shakespeare Festival has introduced countless Edmontonians to the amazingly resilient work of Great Britain's most famous literary export.

Started by University of Alberta drama students intent on practicing their craft during the summer theatre lull, the festival began as a low-key, one-show-a-year event. In the mid-1990s, the Free Will Players escalated operations and started staging two shows each summer; recently the two shows grew into the River City Shakespeare Festival, staging two main stage productions along with various other ancillary events. And since 1998, drama professor Kim McCaw has been a key figure in the festival, directing one of the two plays each year for the last three years.

Following a successful 15-year stint at the Prairie Theatre Exchange in Winnipeg, with a sojourn leading the playwright's colony at the Banff Centre for the Arts, McCaw moved to Edmonton in 1997 to take up a teaching post at the U of A. Three years ago McCaw was approached by an old acquaintance to help out with the burgeoning festival. "James McDonald, the artistic director for the festival at the time, asked me to direct *Two Gentlemen of Verona*," he explains. "The following year I did *Much Ado About Nothing*. My initial background was in producing new Canadian plays, which is great since I've come here directing Shakespeare and trying to make them like new plays."

Playing fast and loose with the conventions of Shakespeare has become a bit of a cottage industry lately. *Hamlet*, *Romeo and Juliet*, and *Titus Andronicus* are some of

the more recent plays to be updated for the screen, but live theatre has also been getting into the act, with the River City Shakespeare Festival receiving critical and public acclaim for its imaginative recasting of the Bard's work.

"That's one of the signatures of the company," says the director. "These are not traditional productions, we are trying to put a contemporary spin on the shows, to put them in different time periods. Last year, *Much Ado About Nothing* was cast into the late '60s, Southern California. It was sort of a Vietnam War, Summer of Love kind of background. *Two Gentlemen of Verona* became a western, Tex-Mex kind of thing; the borders they were crossing, and instead of between Verona and Padua, they were between Texas and Mexico, so we had mariachi music and all that kind of stuff. We try very hard to put a new spin on things."

This year McCaw directs *Richard III* and he and his associates continue the tradition, opening up the story line for audiences potentially put off by the perceived mustiness of the original play. McCaw has set the title character's power grab in a deliberately vague era, one that allows for medieval as well as fascist symbols.

"I call it eclectic anachronism," he laughs. "We're mixing in a variety of different time periods. Like in the film version of *Titus*, the way they mix motorcycles with centurions on horses and 1950s' automobiles during the opening sequence. We're also playing around with that kind of fluid period. But it's basically contemporary; right now we're trying to find ways to show royalty and lineage, to indicate the power struggle that is *Richard III*."

By refashioning the milieu in which



Drama professor Kim McCaw, who directs *Richard III* for the River City Shakespeare Festival, has ways of making you enjoy the show.

the action is set, McCaw hopes to draw the audience into the core of the play, bypassing the ornamentation of the story and zeroing in on the basic intrigue and naked ambition that rests at the heart of Shakespeare's tragedy.

"How do you make the story available to an audience in Edmonton? There's so much of the original piece that's dependent on its audience knowing who Lord Stanley is, or who Lord Dorset is. Of

course, in Canada right now, we don't have a clue who any of those people are, so what we need to do is make the dramatic struggles, the alliances, the betrayals clear. It's making the politics crystal clear to the audience."

The River City Shakespeare Festival opens June 21 and plays alternate performances of *Richard III* and *As You Like It* through July 15 at the Hawrelak Park Amphitheater. Mondays are dark. ■

Barbour turns to essay to explain love of poetry

Lyric/Anti-lyric examines the present state of art

By Gilbert A. Bouchard

Internationally acclaimed poet Douglas Barbour's most recent collection of essays highlights his decades-deep love for poetic practice interpreted through the eyes of a dedicated verse-spinner.

"This book gathers up essays I've written over the past 15 or 20 years to cover the poetry and poets that I've really admired," says the University of Alberta English professor, author of *Lyric/Anti-lyric: Essays on Contemporary Poetry* just released by Edmonton's NeWest Press.

This non-fiction offering is the eighth volume of The Writer as Critic Series under the editorial scrutiny of Smaro Kamboureli. Poets celebrated in Barbour's book include Michael Ondaatje, Phyllis Webb, bp Nichol, fellow U of A professor/poet E. D. Blodgett and Eli Mandel a former U of A English professor. *Lyric/Anti-lyric* also includes several essays that explore Barbour's growing admiration for Australian and New Zealand poetry, especially when looked at from a post-colonial perspective (being that both countries as well as Canada are "settler" nations).

"Mostly I want to introduce my Canadian readers to some writers they may not have heard of," says Barbour, who planned to break from tradition at the official launch of his book (June 15 at Orlando Books) and read poems cited in the volume rather than just excerpts from his essays.

"The book is a celebration of the art, especially looking at my fellow writers from the point of a poet. As a poet I'm more interested in calling attention to the poem at hand—unlike other theorists who are giving you that grand thematic reading or a criticism that's all about line-by-line details. I'm representing my own responses to the work and want them very much to be observations of the moment."

—Douglas Barbour

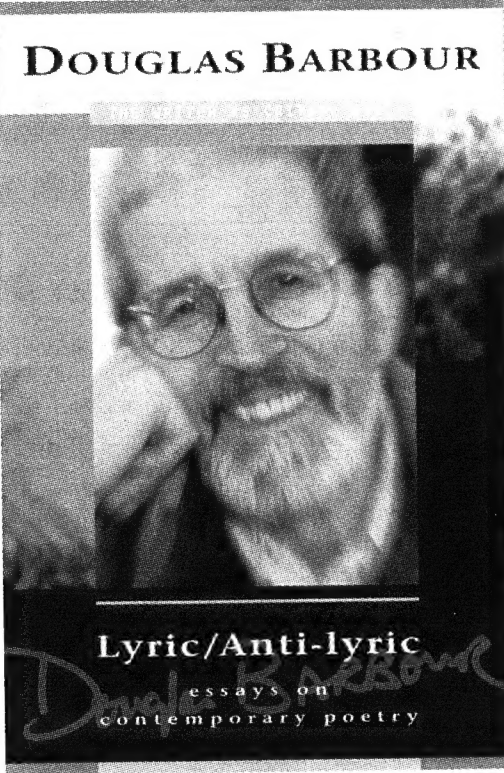
Governor General Award winner and collaborator since 1972 with Barbour in the performance duo Re:Sounding).

As the title of the book implies, Barbour is a great fan of the "music that runs through" poetry and very much enjoyed thinking through his ideas about the role of lyric and anti-lyric as played out in modern poetry. "Be it in poetry or in the jazz that I like to listen to, I like rhythmic intensity," he explains. "I'm interested in poems that limit lyric egotism."

Aligning himself in a fashion with a formalist school of abstract visual art he personally admires, Barbour explores his long-held fascination with poetic form in the essays, a stylistic dedication long evident in his verse in such poetic collections such as *Land Fall* (1971), *Visions of My Grandfather* (1977), *The Harbingers* (1984), *Story for a Saskatchewan Night* (1990) and last year's *Fragmenting Body* etc.

The cover image for the last title was a print by U of A colleague Liz Ingram—Barbour values her artistic sensibilities. "For me, the sense of form is important in all art. Even classical representational painting had an abstract element that was concerned with colour and form. One of my favourite painters, Vermeer, in his *A Street in Delft* very much makes use of geometry and colour values to make his statement."

Barbour attributes being raised on a monolithic prairie environment for an



aspect of this attention to form because "you get so used to noticing small changes in the landscape—it trains you to pay attention," he says.

"In the end all art involves artifice and some art is more transparent in drawing attention to the creation of that artifice. Take the recent film *Moulin Rouge*. There's no mistaking the artificiality in that work. There's always some kind of formal quality at the heart of any artistic endeavour." ■

Master's grad gets MOST unusual degree

Student's last day was his first time on campus

By Ryan Smith

When Rajan Dassan came to the University of Alberta to accept his Masters of Science degree June 6, it was the first time he had set foot on the campus.

"I've been to Edmonton before, and I liked it," he said prior to convocation, trying to be helpful. "But I've never been to the U of A—I don't know even know what it looks like."

Dassan, an IT manager with Genus Capital Management in Vancouver, B.C., is the first graduate of the WestMOST program, a joint initiative between nine Western Canadian universities and several larger software industry companies. The program allows professionals to study part-time while they continue to work. Students in the program can earn Masters of Software Technology (MOST) degrees from the universities of Alberta, Victoria, or British Columbia. Dassan earned his degree from the U of A because the U of A was the only university offering the course

when he signed up in 1998.

"The University of Alberta was instrumental in founding the program [in 1996]...and Mr. Dassan is a great role model and is to be congratulated for his achievement," said Eldon Wig, executive director of the WestMOST partners.

Although the program is designed to be taken over five years, Dassan managed to finish it in half that time. "It wasn't easy—the courses were hard—but this program really works well," he said. "I mean, what is the chance of me quitting my job to go study at the U of A? About nil. But through this program I was able to do it."

"The beauty of this program is that the courses are taught by professors whose research is in the area of your studies. Dr. [Paul] Sorenson at the U of A taught software process and quality...In this program you're really able to find out about all the current and state-of-the-art products and developments in the industry."

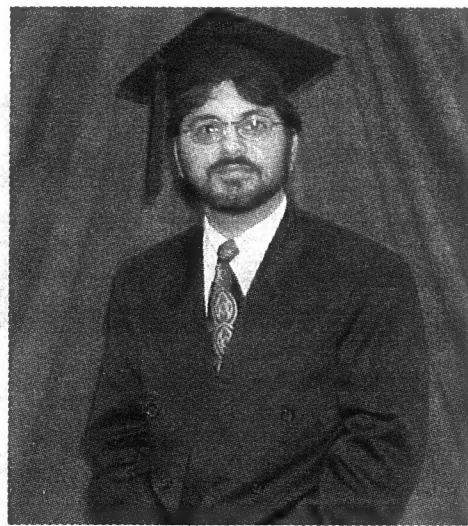
For his final project, worth the equivalent

of two courses, Dassan designed and implemented new software processes for his company. "Essentially, I built a road map to tackle the problems associated with the evolution of software and the accuracy of the data we receive and store."

Dassan said WestMOST courses are offered in three ways: by professors traveling to groups of students in the students' hometowns, by online learning, or by a combination of the two. During his program, professors from six different institutions—the universities of Alberta, Calgary, UBC, Victoria, Tech BC and Manitoba—instructed Dassan.

However, Dassan noted that the learning went both ways. "Because all the students were out in the field, I think we were able to teach the professors a few things that you can't know if you've only been in the academic world. And the program was great for networking. I met many other students that I've learned a lot from."

"All the learning I did for my under-



University of Alberta student Rajan Dassan arrived on campus just in time to graduate.

graduate studies was done face-to-face. This learning was a little different, you might even say a little unusual," he added. ■

Young innovators earn important recognition

Petro-Can Awards help researchers pursue goals

By Tom Murray

The best work done in science is often at a basic level. Sure, it's nice to bask in the glory of large-scale discovery, but it's the detail work that allows for larger breakthroughs to occur.

That's the kind of work three University of Alberta researchers are being honoured for, with Petro Canada Young Innovator Awards. Each of the recipients are working on the kind of knowledge that affects our day-to-day lives.

Dr. Rik Tykwinski of the Department of Chemistry and his students are attempting to find a better way to synthesize the molecule c60, or the Buckminsterfullerene. Discovered in 1985, the molecule has never been manufactured in an entirely optimal way, so its benefits have never been fully explored. Tykwinski hopes to assemble the molecule in a more logical way, trapping

metal ions inside of the c60 ball in order to tailor or dictate the properties of the c60 molecule.

"Right now it is possible to get ions inside, but they have to be shot inside. It's the equivalent of throwing a baseball as hard as you can and hoping that it squirts inside of a soccer ball," he explains. A logical synthesis of c60 would pave the way to more stable experimentation, leading towards the manufacture of materials with improved strength, stability and heat transmission. The award will come in handy for the researcher, who notes "it's a great opportunity, and it's nice to have the recognition as well as the money, which certainly comes in handy." The award will allow Tykwinski's students to "spend more time doing research in a laboratory rather than dividing it. That allows

research to go forward a lot faster."

Those words are roughly echoed by Philip Choi, a professor in the Department of Chemical and Materials Engineering, who is being recognized for ground-breaking studies involving asphalt. The composition of asphalt is varied; essentially manufactured as an afterthought to the petroleum refining process, it's never really been carefully observed. Attempting to analyze asphalt through a special chromatography technique, Choi and his students are hoping to make its composition more uniform, a feat that should be welcome to anyone who's ever had a misadventure with a pot-hole.

"Since the quality of asphalt impacts on our roads, the practical applications should be obvious," said Choi.

The final award winner this year is Dr.

Julia Foght of the Department of Biological Sciences. Foght has worked at finding a natural way to reclaim land which has been polluted through scientific studies and exploration at Antarctica. Her proposition is to develop two particular bacteria together: one is a hydrocarbon degrading bacteria, the other a nitrogen fixing bacteria. The first works at changing pollutants into CO2 and water, the second provides the necessary nitrogen for the first, since the Antarctic soil is low in nitrogen. Combining the two bacteria would be an inexpensive and environmentally sensitive way to deal with pollutants which have been spilled on the Antarctic soil. The effects of this would be of particular interest in Northern Canada, which faces many of the same problems as the Antarctic and the Arctic. ■

Weekend blitz will replace every phone on campus

New system requires five-digit on-campus dialing

When University of Alberta faculty and staff return after the Canada Day weekend, they'll be greeted by a new, state-of-the-art telephone system.

The campus' existing Centrex telephone infrastructure is being replaced over the long weekend with a Nortel PBX (Private Branch Exchange) digital system.

The change to the new system is "the largest of its kind to date in either the public or private sectors in Canada," says Ernie Ingles, the university's Associate Vice-President (Learning Systems).

Kevin Moodie, manager of communication services at CNS and one of the sponsors of the project, says the new system will offer enhanced capability, proven reliability, and lower costs.

"Our objective was to look at where phone technology is going in the near and far future," says Moodie, noting that the old Centrex system was becoming expensive, obsolete, and difficult to upgrade. Because a 12-year contract with TELUS for Centrex services was set to expire in February 2001, a leadership team was formed to consider the university's options.

The leadership team recommended a Nortel system that offers the university an immediate five per cent drop in line costs

and 50 per cent in voice mail costs. Line charges for the Centrex system were to increase between nine and 25 per cent. Although it will cost less than the old system, the new PBX system will offer more functionality, including more and better desktop features. It will also be easier to move lines or change equipment, because university staff in partnership with TELUS will support the system.

The Nortel system is extremely reliable, says Moodie, and meets the industry's "five nines" standard, meaning it can be expected to run smoothly 99.999 per cent of the time.

Up to 16,000 lines can be added to the phone network, allowing plenty of room for campus growth. The new system is expected to provide a digital environment adequate for the next decade.

Most individual users can expect to benefit from the new single-line Nortel 3902 and multi-line 3903 and 3904 handsets, each of which will be equipped with call display and speakerphone. Training sessions on the 3903 and 3904 handsets are about to begin for selected staff. More information on the handsets is available at www.nortelnetwork.com.

Because the PBX system handles calls differently than the old system does, users

will have to get accustomed to five-digit dialing. On-campus calls will now require the caller to use the last five digits of the receiver's number (e.g. 2-5050 for Campus Police). Off-campus calls must still be preceded by dialing 9.

When using long-distance authorization codes, users will now dial 9-1-[area code]-[phone number], and then their seven-digit authorization code. When no authorization code is required for long-distance dialing, the user will simply dial 9-1-[area code]-[phone number].

Access to 911 emergency service is unchanged—three digits are all that's needed.

All existing Centrex voice mail boxes will be removed and replaced with new mail boxes on the Octel 350 voice mail system. Mail box owners will be responsible for retrieving all messages from their old mailboxes by 5 p.m. on June 29, 2001.

Users will also be required to initialize a new voice mailbox on the Octel 350 system. There will be a temporary voice mail access phone number at 492-2400; all mailbox owners are strongly advised to use this number to initialize new mail boxes before July 3, because thousands of campus users are expected to flood the voice mail system with initialization calls on the

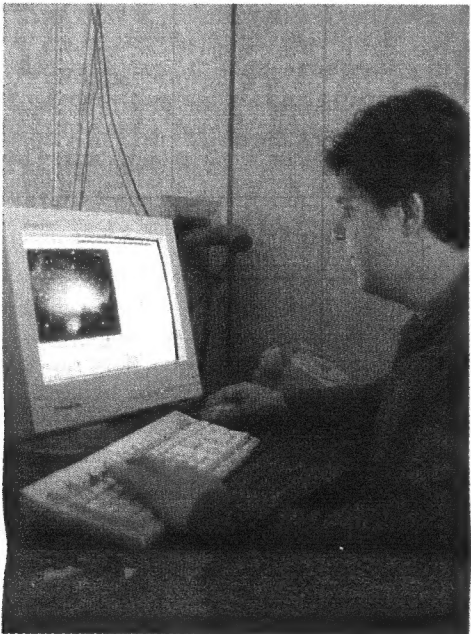
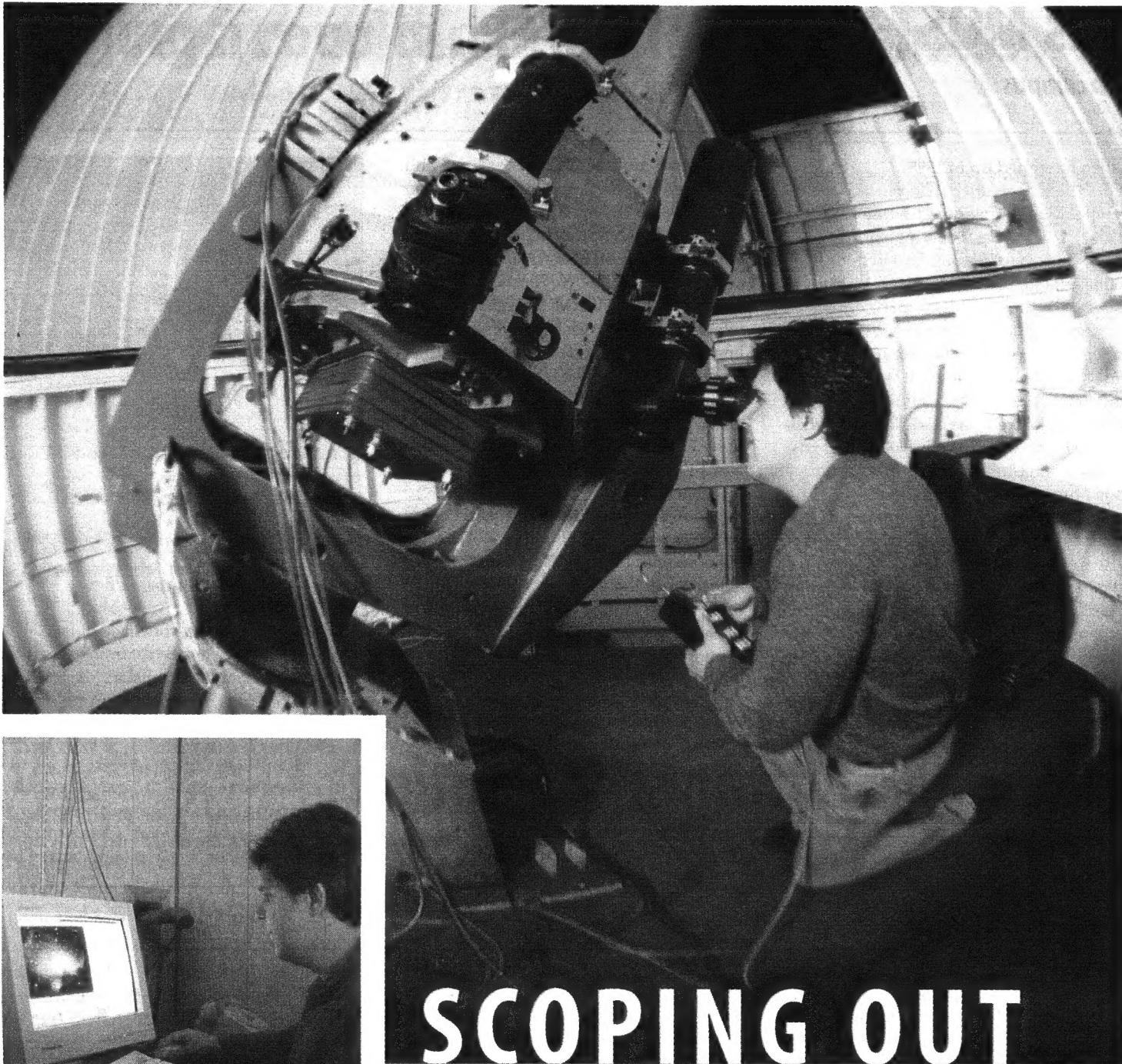
first day after the long weekend.

All new voice mail boxes will be installed with the same class of service as the previous mail boxes, but there may be minor functionality differences due to the updated software. The main voice mail access number will continue to be 492-2000 or 2-2000.

The change to the new system will begin June 29 at 5 p.m., and will be completed by 8 a.m. July 3. More than 100 TELUS workers will "blitz the campus," says Moodie, working 12-13 hour shifts throughout the long weekend ("or more, if necessary," he says) to make sure the system is ready to go when everyone returns.

"We're very happy with the high-level support we've received from TELUS as a partner in this initiative," says Moodie.

For more information on the changeover (including a PowerPoint presentation outlining the changes), campus faculty and staff are advised to see the CNS Telecom Services web page at www.ualberta.ca/CNS/telecom/index.html, or to follow the links to Telecom Services from the CNS home page at www.ualberta.ca/CNS. You can also contact Kevin Moodie (492-3311, kevin.moodie@ualberta.ca) or Steve Thornton (492-9366, stephen.thornton@ualberta.ca). ■



SCOPING OUT STAR STUFF

Astrophysics student wants to know
what lies between the stars

By Richard Cairney

For a guy who's examining a tiny piece of the night sky, Tyler Foster sure is covering a lot of territory—about 30,000 light years. Working on his PhD thesis in astrophysics, Foster is attached to a National Research Council project called the Canadian Galactic Plane Survey. And together with his supervisor, Dr. David Routledge, they're making new discoveries all the time.

"The project is to map out our portion of the Milky Way Galaxy and find out what the interstellar medium is made of," says Foster. "The question is: what's between the stars? What is out there that allows stars to form?"

Trained as an optical astronomer, Foster has added radio astronomy to his repertoire, allowing him to study not only stars but also the stuff that lies between them. "There is an old saying that optical astronomers see the stars and that radio astronomers see the stuff between them and I get the best of both worlds."

From his desk in the University of Alberta physics building, Foster punches keys on his computer to point Canada's largest telescope—a 26-metre radio telescope at the Dominion Radio Astrophysical Observatory just outside of Penticton, B.C.—to the deep-space objects he's interested in. Once he has captured the radio signal of an object that draws his attention, Foster makes the 45-minute drive from campus to the U of A's 20-inch reflector telescope at its observatory near Devon, to make a visual inspection of the object.

"We are looking out two-thirds of the way into our galaxy, and to do that optically is rare," says Foster. "When we

began this, there were a lot of skeptics out there who said, 'you won't be able to see anything.'"

But they're seeing plenty. "Most of these things, no one has ever seen before," he says. "And that is the beauty of it. We are constantly making discoveries out there. Sometimes it gets out of hand."

The experience can be emotionally rewarding. In his seminal series of books on sky watching, Robert Burnham remarked that it's fine to admire an artistic masterpiece, but the sky is nature's art gallery, with its finest works on display for all to observe and none to possess.

"Is it humbling?" Foster asks. "Oh, you can't even put it into words. Every time I see something new I feel like asking, 'why me?' Why am I the first person to see this? It's fantastic."

The patch of the night sky Foster finds so intriguing lies about 10 degrees north of the star Deneb, which marks the tail in the constellation Cygnus, the swan. Looking at the sky, if you fully extend your arms and join your thumbs side by side, you could block out the entire region Foster is surveying.

Yet it turns out this largely unexplored corner of the Milky Way could contain the largest known ionized hydrogen region in the galaxy.

What Foster examines, are regions of ionized hydrogen—such as the Orion nebula—which are the birth places of stars, and super nova remnants, like the Crab nebula in Taurus. In astronomical terms, super nova remnants don't last very long. Chinese astronomers observed a super nova 1,000 years ago that is now known as the Crab Nebula.

They explode so violently that they dilute themselves after about 200,000 years," he says. The super nova remnant Foster is studying "is probably only 12,000 years old."

Ionized hydrogen regions, on the other hand, last "quite a bit longer." Initially they are cold clouds of hydrogen, until a star forms inside one of them, emitting ultraviolet radiation and exciting the hydrogen gas surrounding it.

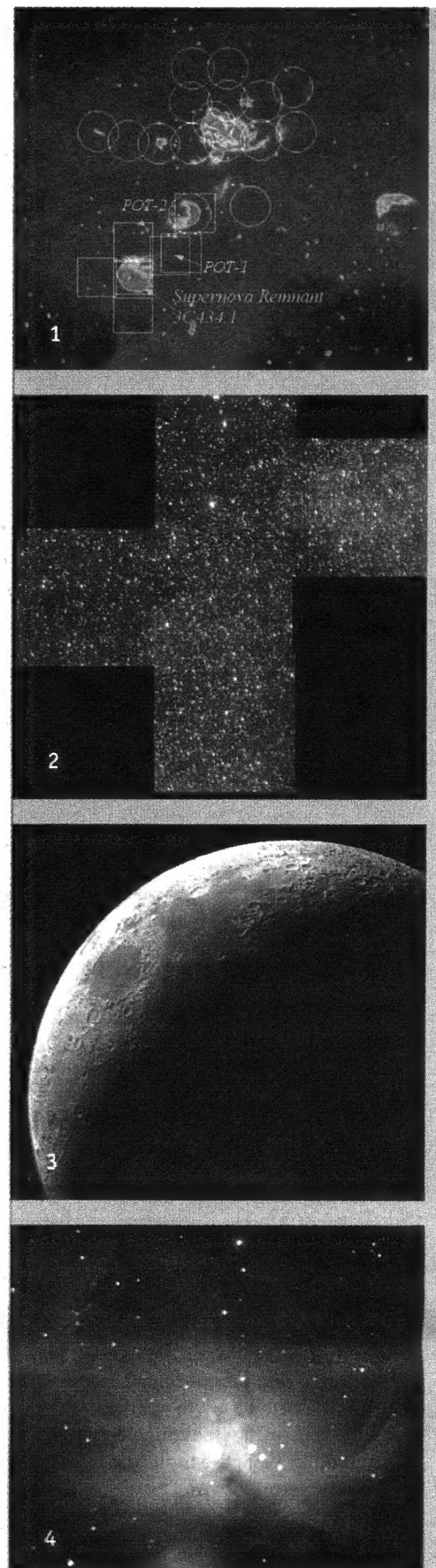
"These are the birthplaces of stars," Foster said.

"One of the things we can do out at Devon—and this pulls it all together for me—is use the scope to look for the stars that have formed within these clouds as well as detect the nebulae themselves."

But what really intrigues Foster is the previously undetected background to all this. His work has uncovered a vast cloud of dust and gas never before seen. "That is part of what the thesis is about: what is that background—is it related to those objects? Is it in front? Is it behind? No one knows. This is unexplored...The question is, how is that junk interacting with the objects we see there?"

Ultimately, understanding what outer space is made of will help us understand our own origins, and our place in the universe, says Foster. All the elements on Earth, and all the elements in our bodies, he says, come from super nova remnants.

"We are all made of star stuff," he says. "Understanding the interstellar medium and what it is made of, because it is enriched by super nova remnants, is relevant because it is what we are made of. It is a question of origins, and here are the answers, staring at us from the sky." ■



1) Tyler Foster is studying a small patch of sky in the area of northern Cygnus, surveyed here in radio wave lengths. This radio image is produced for the Canadian Galactic Plane Survey. Circles mark areas surveyed using the 26-metre radio telescope at the Dominion Radio Astrophysical Observatory. The squares represent areas imaged at the University of Alberta's Devon Astronomical Observatory. The large cloud at the top of the image is possibly the largest ionized hydrogen region in the galaxy. Other areas currently under study are labeled.

2) Produced at the Devon Astronomical Observatory, this 13-hour exposure shows a detailed optical image from photo 1. The region contains an estimated 25,000 stars and the image reveals previously unseen features of the region.

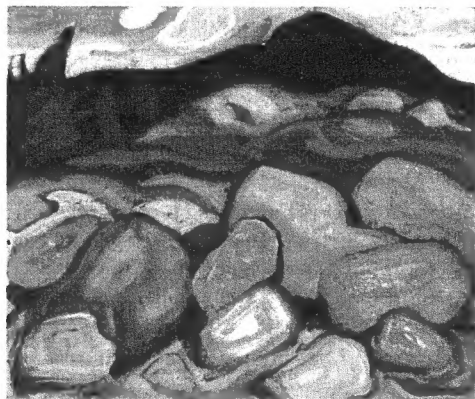
3) A single lunar snapshot showing the Devon telescope's field of view, about half a degree, or the width of the moon.

4) Foster is studying ionized hydrogen regions. The Orion Nebula, above, is a prime example of such sites and is an active nursery of newborn stars. The object is located about 1,600 light years from Earth—right in our own backyard, compared to other deep-space regions studied at the Devon observatory.

Top left: Using hand-held controls, Foster lines up the U of A's 20-inch telescope to view objects he's studying. The telescope has an optical spotting scope but displays magnified images digitally (inset). Observatory photos by Light F/X Photography; astronomical images by Tyler Foster and Albert Van Steenberg.

University collection a jewel in art festival's crown

Landscapes culled from enormous collection present the very best



By Gilbert A. Bouchard

The University of Alberta's Fine Arts Building Print Study Centre is currently awash in bubble wrap. The reason for this sea of stress-busting, protective packaging is a seminal display of Alberta landscapes that Jim Corrigan, curator of the University of Alberta Art and Artifact Collection, is currently packing for a short trip downtown. The exhibit, entitled *Looking West—Alberta Landscapes, Past and Present* is being presented in partnership with The Works Visual Arts Festival, running June 22 to August 15 in the main Exhibit Pavilion in Edmonton Centre West (the second level of the former Eaton's store).

"It's a massive show—79 works cut back from the 100 considered—much of it work that has not often been seen," says the soft-spoken Corrigan. "We dug up some landscapes from deep within the system—a real who's who of local, national and international artists who've passed through Alberta and made contributions to the university."

The exhibit includes artistic interpretations of Alberta's grand vistas by everybody from the Group of Seven's A.Y. Jackson to historic early Alberta painters such as H.G. Glyde and Illingworth Kerr to western landscape giants like Dorothy Knowles and William Kurelek. Early art professors at the university, such as James Adam and J.B. Taylor (whose painting *Looking West* is the show's signature piece) and current University of Alberta staff like Liz Ingram and Sean Caulfield, are included in the show.

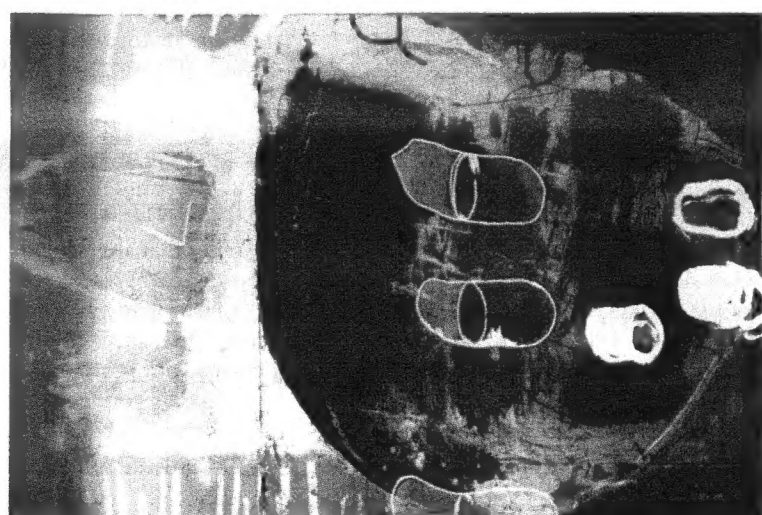
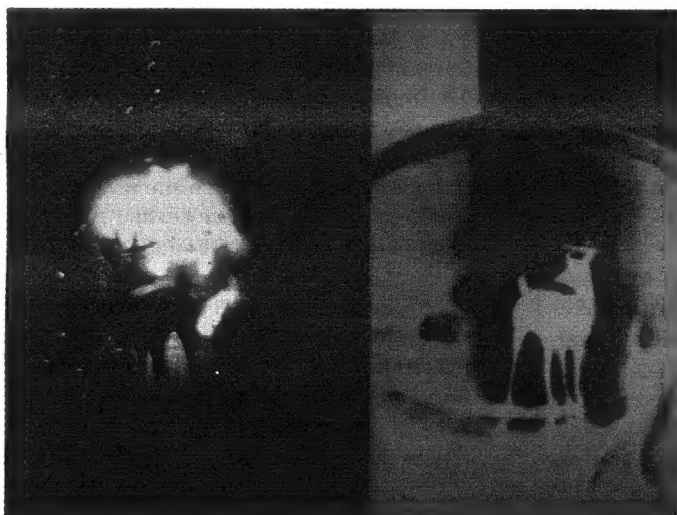
Encompassing various media from painting to photography to cutting-edge print work, the show has been organized along Alberta's familiar tourist zones (the north, the heartland, the south and the Rockies). The exhibit spans most of the 20th century, culminating in several works produced or acquired in 2000, including a painting from Chris Flodberg's Class of 2000 MFA show.

Corrigan, who has more than 5,500 objects under his care, notes that with more than 3,500 works of art in every single genre and subject matter to choose from, a landscape show seemed to make the most sense. For starters, landscapes seemed a good fit with The Works' decision to focus on Alberta art, and an especially good choice given the bevy of international tourists expected to see the show in the wake of this summer's IAAF World Championships in Athletics—hosted in part by the university.

The show is also an excellent way to highlight the depth and breadth of the university's collection and a good enticement to lure art fans to the U of A's soon-to-be-launched "virtual museum" online presence. (The *Looking West* exhibit can be visited online at www.museums.ualberta.ca/LookingWest after June 22.)

Finally there's the inherent, universal appeal to landscapes in and of themselves.

"All people in all time periods have enjoyed a beautiful vista—a desire that's



probably linked to our very origins as a hunting-gathering people," he said.

Artist Norman Yates goes as far as to state that "western history and western landscape are bound inexplicably" with the land serving as "our basic metaphor."

In its function as a core metaphor, it should come as no surprise that different artists have worked so hard to find an individual spin on this ancient trope. For Corrigan, each and every work in the show, from the most traditional to the most avant-garde, is an eloquent and unique answer to the question 'why landscape?'

For starters, the stunning Alberta landscape is so diverse and unique in terms of geology and biology that it often forced changes in the style and technique utilized by artists trying to freeze our vistas into canvas-bound immortality. Glyde, quoted in the *Looking West* support material, found Alberta landscapes "impossible to paint" at first. He needed to develop a "different type of thinking" and redesign himself so that he could "get the feeling of height and solidarity" he wanted to capture.

Landscapes also hold up an artistic mirror to our intellectual attitude about the world, says Corrigan. Earlier generations worked under a more Euro-centric,

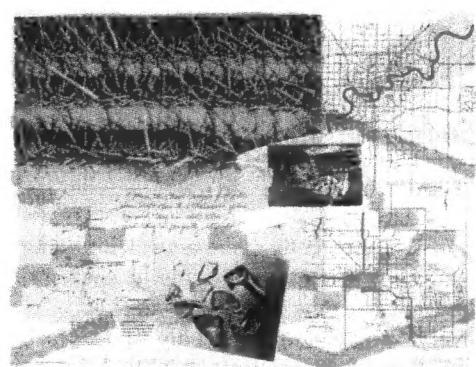
romantic view of unspoiled "wilderness" while contemporary post-modern artists have a view of the land that is quick to address the heavy footprint of human civilization upon wild spaces and the potential for ecological disaster.

For example Flodberg, through his carefully manipulated composite works, deconstructs "the beautiful face of nature," in his work, underlining that nature is "a façade, intended to lure and entice" and "a mask that hides more ominous qualities."

Contrast this with the spirit of the oldest (and perhaps most common) piece of landscape art in the show: a copy of the university crest drawn in 1911 by James Adam. This take on the logo is far more faithful to its landscape inspirations than more modern, stylized versions, featuring full sheaves of grain and more expansive renditions of the foothills leading up to the Rockies.

"It's a very European perspective," Corrigan says of the elegant work, produced during a time when Alberta was hard at work attracting thousands of farmer-settlers.

"It hints at Banff, the railroads, fertile fields," the busy curator adds, as he reaches for one more sheet of bubble wrap. "It's very much about enticing people out to Alberta." ■



Top left: H.G. Glyde, *Banff*, 1967, oil on hardboard, 32.2 x 39.7 cm, donated by Emma Read Newton in 1980

Middle right: Sean Caulfield, *Objects in Water*, 1995, etching and screenprint on paper, 6/11, 91 x 61 cm, Master of Fine Arts Thesis Presentation, 1995

Bottom right: Evelyn David, *How do I get there from here*, 1995, photo-lithograph, screenprint, pulp paper and collage on handmade paper, 12/50, from The Tempe Suite, 49.5 x 60.7 cm, donated by Steven Dixon in 1997

Middle left: Daryl Rydman, *Leap of Faith*, 1993, mixed media on hardboard, 150.3 x 194.5 cm, Master of Fine Arts Thesis Presentation, 1993

Main image: A.Y. Jackson, *Old Man River*, 1949, oil on canvas, 49.3 x 65 cm, purchased from the artist in 1949

Different disciplines, same results: straight 9s

Graduating students plan to continue studies at U of A

By David Beharry

While it may be true that nobody's perfect, Tarandeep Kang and Darryl DeHaan are closer than most. Concerning their studies at the University of Alberta, Kang and DeHaan both graduated with perfect grade point averages of 9.0. Kang, an honours history student, received his Bachelor of Arts degree, while Dehaan, a chemical engineering student, earned his Bachelor of Engineering degree.

Kang plans to begin his Master's degree this September at the U of A. "I was especially interested in the history of German thought; the way ideas are formulated and whether those ideas have any validity. I'm also interested in the way intellectual figures have approached the same idea, by examining those same ideas through several epochs," Kang said.

"He (Kang) is extremely focused and he works hard. I read his honours essay, which impressed me very much; he's very motivated and unassuming."

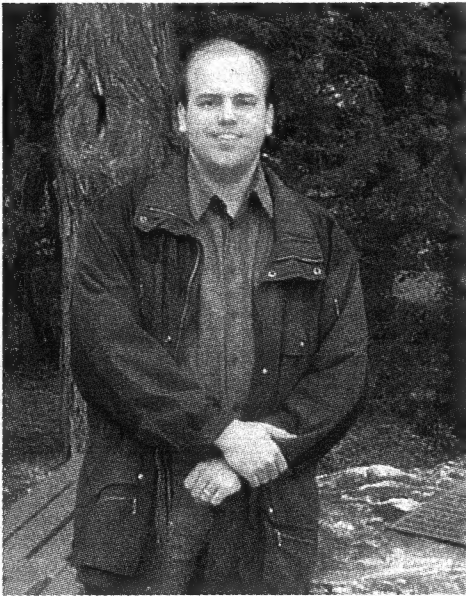
—Dr. Andrew Gow

According to Dr. Andrew Gow, from the Department of History and Classics, Tarandeep is a special kind of student. "He's extremely focused and he works

hard. I read his honours essay, which impressed me very much; he's very motivated and unassuming," Gow said.

During the summer, Kang will continue to improve his German, and he also plans to work on his Latin. Gow added: "Kang is already an intellectual, although he would never say that himself."

The other perfectionist, DeHaan, will spend his summer working at Dow Chemical in process control, programming the computers that run Dow's Edmonton-area plant. "Darryl is a great student, he's a nice blend, a very good aca-



Engineering student Darryl DeHaan earned perfect grades, and plans to continue his studies at the U of A.

demic and he understands the practical capabilities. He always tries to do his best," said Dr. Fraser Forbes, a professor in the U of A Department of Chemical and Materials Engineering.

DeHaan has picked up many awards throughout his academic career, including the Henry Birk's & Sons Limited Medal for the top marks in the field of engineering, the APEGGA Medal in Chemical Engineering, the Governor General's Silver Medal, and twice he has received the Conway Reimer Memorial Scholarship in Computer Process Control.

Speaking about his experience at the U of A, DeHaan said: "Overall the co-op program was the best part of my experience at the U of A because the hands-on learning that occurs is invaluable to understanding where the theory is coming from and what it's applied to." DeHaan will also begin his master's program in September. ■

Student teacher receives posthumous degree

'She became a teacher because she loved children'

By David Beharry

"It's the hardest thing for any parent, losing a child." Those are the sentiments of Rose and Alan Try. "What's even more difficult is Carla was so healthy, so full of life; she was a young lady who was determined, focused and strong in so many ways."

The University of Alberta posthumously awarded Carla her Bachelor of Education Degree recently. To complete her degree, Carla accepted a student-teacher position at St. Martha Catholic Elementary School. Carla began her final practicum placement in February, doing what she loved, teaching children. After a couple of days she had to call in sick; the next day she was taken to the hospital with what seemed like a bad cold. Two weeks later she had died of respiratory failure. Family, friends and co-workers were stunned. Carla had just turned 21.

"Carla didn't become a teacher as a career choice, she became a teacher because she loved children," says Cathy Nissen, principal at St. Martha's. "I remember her coming in for orientation, she came in with such life, she was so vibrant and had an immediate impact, people were naturally drawn to her. When children meet someone like that, they respond. Most teachers strive to accomplish this in a lifetime, she did that in two days."

Carla knew she wanted to be a teacher. When she was in Grade 10 she told her mother that she wanted to be a kindergarten teacher. As her father, Alan, says, "she was firm and gentle, she would rather look after children (babysitting) than go out partying."

Carla's younger sister Sherry accepted the degree on behalf of Carla. "I'm happy to be here for Carla, she

achieved her goal, all she wanted to be was a teacher," she said. The day is very special for Carla's parents. "We felt Carla deserved the degree, she earned it. Today, whether she is with us or not, she earned her degree."

St. Martha's has created a memorial for Carla in its library and a resource centre for future student teachers. School officials also had to deal with the concerns of the six and seven-year-old students, who met Carla, sent her cards when she was sick, and then were told of her death. "We told them God made an angel who was a teacher," Nissen added.

"Today is a day to celebrate Carla, it's not only for our friends and family, it also tells us how special she was and it's important for us that the University of Alberta is recognizing this," says Alan Try. "It also brings us a little bit of closure." ■



The University of Alberta has granted a posthumous degree to education student Carla Try.

Farm work ethic drives new medical grad

So few hours, so much to do...

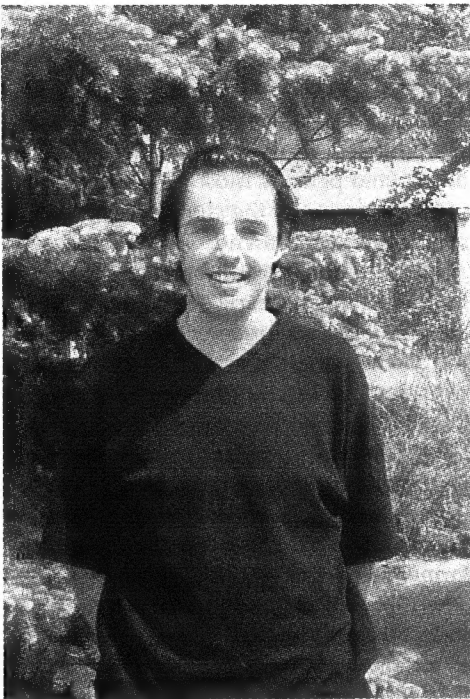
By David Beharry

Jason Kur recently spent a week lounging on a beach in Cuba, soaking up the sun and sipping pina colodas; he enjoyed every minute, and deservedly so. Kur just graduated from the University of Alberta with his medical degree. That's quite an accomplishment in itself, but Kur was busier than many other students.

Kur, who grew up on a farm north of St. Albert, learned his work ethic from his parents. "There is always something to do on the farm, it was hard work, and the work had to be done," he said in the unmistakable parlance of a born farm hand.

After completing his Bachelor of Science degree, which he earned with distinction from the U of A in 1997, Kur knew he wanted to continue his career in the sciences and chose medicine. "I'm not one of those people who knew I wanted to be a doctor at age five, there was a steady progression."

Apart from his stellar academic career, however, is Kur's community involvement. In spite of his demanding course workload, he volunteered for various



Dr. Jason Kur learned about hard work while growing up on his family's farm, and has carried that ethic into his professional career.

organizations, including Santa's Anonymous, for which he delivered Christmas presents to low-income families. He has also served as an interpreter at the Provincial Museum for Alberta's Carnosaurs exhibit, and as a Health Policy Research Volunteer. Kur also worked on the yearbook committee and produced a play entitled *The Ugly Duckling* that helped raise funds for the Children's Health Centre.

Kur is also a student leader. He's the current medical student representative for the Canadian Medical Forum, the medical student director for the Canadian Medical Association, president of the Canadian Federation of Medical Students, and the vice-chair of the Canadian Resident Matching Service.

"Jason's willingness to take on leadership roles optimizes the role our graduates will play in the future. Jason is an opinion setter, he brought clarity to issues at a

national level," said Dr. Lorne Tyrrell, dean of the U of A Faculty of Medicine and Dentistry.

"Jason's willingness to take on leadership roles optimizes the role our graduates will play in the future. Jason is an opinion setter, he brought clarity to issues at a national level."

—Dr. Lorne Tyrrell

"Jason represented the medical students very well. His type of leadership is not common, and he's demonstrated this at an early age," Tyrrell added.

As the medical student representative for the Canadian Medical Forum, Kur was able to gain an understanding about

medical education across Canada and beyond our borders. "I've been involved in various national organizations, so I've seen how medical education is in the rest of the country, and the U of A is certainly above the rest," he said.

In particular, Kur said the faculty and instructional staff at the U of A are outstanding. "Having the support of faculty is really important. The faculty has been very supportive and has encouraged involvement outside of the academic setting." ■

Theatre's friend chronicles community's history

Glenfield has forgotten more about theatre than you'll ever know

By Ryan Smith

It was never Mary Glenfield's intention to learn her master's of arts degree—which is perhaps why it took her so long to do it. At 79, Glenfield finished her thesis, a history of pre-professional theatre in Edmonton, for which she received her MA in drama.

"I'm a big fan of Mary's, and I'm stunned at her energy. She's amazing," said Troy Funk, publicist at the Citadel Theatre and a stage manager at Edmonton's Walterdale Theatre, which Glenfield and her husband Frank helped found back in the 1950s.

One of the driving forces behind the Edmonton theatre scene since she moved here from Wales in 1951, Glenfield landed a part in a play just three months after her arrival. She's been in more than 50 plays since, and her thesis supervisor, Alex Hawkins, said Glenfield is not only an actor but she and her husband are Edmonton's pre-eminent "theatre volunteers, patrons, and students."

Ask almost any actor, director or patron in the city: it is unlikely that anyone attends more live theatre than the Glenfields do. Growing up, Glenfield said she was always fond of the theatre, and in spite of the fact that both her father and mother had earned university degrees, she didn't feel compelled to go to university herself. Glenfield's inclinations changed in 1962, when she took a few undergraduate courses at the U of A, but she halted her studies to raise two adopted children. She studied off and on for the next quarter century, taking classes periodically until she suffered a heart attack in 1989.

"When that happened, I thought, 'Oh hell, I don't want to die without having earned my degree,'" she said.

She persevered and earned her bachelor of arts in 1992. The idea to do her master's was "happenstance," resulting from U of A drama professor Carl Hare's offer to Glenfield to take a class of his. When it became apparent that she was starting work on her master's degree, "I said to

myself, 'my God, the whole drama department must be out of its mind to let me take my master's,'" Glenfield said.

However, Hawkins felt Glenfield's undertaking was appropriate. Glenfield planned to write her thesis on the pre-professional history of theatre in Edmonton from 1920 to 1965—the year Edmonton's first professional theatre, The Citadel, was founded.

"Mary is probably the best person situated to tell the story of Edmonton theatre history before 1965. Her special and personal relationship to the material make her uniquely placed to tell the story in a way that a younger person would never have been able to do," Hawkins said.

In spite of her unique qualifications, Glenfield said the story was not told without difficulty. She became sick with a variety of ailments in 1999, which compounded the usual hardships scholars face. "A lot of people I interviewed had wonderful memories, but they couldn't pinpoint exactly when things happened," she said. "As an academic, I had to track down all this information."

She spent countless hours doing research in the city and provincial archives. Hawkins praised the quality of her work. "Her mind is really active. She's a wonderful critical thinker. She can take in a lot of information and reproduce it in a clear and cohesive form."

Though Glenfield has not yet pursued the idea of getting her thesis published, Hawkins said her thesis is "very readable and anyone interested in the history of Edmonton theatre will really enjoy it."

The Edmonton theatre scene is currently renowned for its vibrancy, and Glenfield contends that its current strength is no accident of geography. "Edmonton may be a cold northern city where people need indoor entertainment in the winter. But the vibrant theatre environment in Edmonton is more the result of people with vision who encouraged others to achieve more in theatre than they thought possible." ■

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Once in a Lifetime Call for Volunteers

As part of our involvement with the 2001 World Championships in Athletics, the University of Alberta will be a part of the excitement happening at the Festival of the Worlds celebration at Churchill Square from August 4-12. We are looking for enthusiastic U of A staff to volunteer to help promote the university at our "Discover Where the World Meets" interactive display at this event.

We require a minimum commitment of two 3-hour shifts. If you are interested in meeting people from around the world and in being part of the 2001 World Championships in Athletics go to our volunteer website at www.ualberta.ca/alumni/involvement/ to find out more and to register for this once in a lifetime opportunity.

A message to all University of Alberta teachers:

Technical Resource Group wants your input!

Technical Resource Group (TRG) wants to help you meet your teaching objectives... and we're asking you to tell us how.

Throughout the summer of 2001, in combination with the Office of the Vice-President (Academic & Provost), Academic Technologies for Learning (ATL) and the ATL Advisory Committee (ATLAC), TRG is conducting a formal research project to learn from you how we can best support your classroom teaching needs.

We are now convening focus groups to help with our research. Our findings will allow us to establish a new classroom support model for the start of the 2001-2002 academic year.

We welcome all your comments.

Call us at 492-0151,

or email: judi.ross@ualberta.ca

Technical Resource Group is a member of Learning Systems, a subsystem of the Portfolio of Finance and Administration.

The Vice-President (Finance and Administration) provides a link between the Administration and the Board of Governors on matters affecting financial, physical and human resource management at the University.



University of Alberta

The University of Alberta
is accepting nominations for its

Board of Governors' Award of Distinction



The Board of Governors' Award honors individuals or groups who have made exceptional contributions to link the University of Alberta with the municipal, provincial, national, and/or international community.

The criteria for the Board of Governors' Award of Distinction are:

- Promoting goodwill between the University of Alberta and the community through exceptional volunteer service, and
- Creating awareness of the University of Alberta with the community by bringing honor to, or enhancing the reputation of the University, and
- Furthering the aims of the University with integrity in creating partnerships (social, cultural, economic)

Further nomination and eligibility information may be obtained on the internet at www.ualberta.ca/governors/distinction.htm or via e-mail at louise.shulko@ualberta.ca or by contacting:

Office of the Board of Governors
3-31 University Hall, University of Alberta
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Noujaim Institute for Pharmaceutical Oncology Research



Faculty of Pharmacy & Pharmaceutical Sciences The University of Alberta

Today, the Board of the Noujaim Institute announces the appointment of three Noujaim Institute Scientific Associates. These world-class scientists exhibit exceptional talent and reputations in their fields of study and have appointments in Alberta Universities. The scientists are actively engaged in research that is consistent with the Institute's mandate to develop a core theme of "Targeted Anticancer Drug Development and Delivery". The Noujaim Scientific Associates are:

Prof. Theresa M. Allen, Department of Pharmacology, University of Alberta. Dr. Allen is exploring alternative strategies to improving the selective toxicity of anti-cancer drugs and gene therapeutics.

Prof. Randal N. Johnston is Associate Vice-President (Research) at the University of Calgary, and Director, Southern Alberta Cancer Research Centre. His research program encompasses gene regulation in cancer development and cancer suppression through regulatory control of gene activity.

Prof. John Samuel is Associate Professor in the Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta. His extensive research program is focussed upon cancer immunology, and cancer control and therapy through immunization and exploitation of the host's immune system.

According to Dr. Jerry Miller, Acting Director of the Noujaim Institute, joining forces with these three prominent cancer scientists will reinforce the ongoing program of the Noujaim Institute in targeted anticancer drug development, and will fast-forward our research to clinical application. The principal benefit of the Institute's approach to cancer cure and control is to target the tumor cells, while leaving the patients' normal tissues and organs relatively untouched by the therapies. The net effect is to prolong patients' lives, while greatly increasing their quality of life, since unlike conventional cancer therapies, we anticipate reduced side-effects. Addition of these three individuals to our scientific team represents a major boost to the rate at which the Alberta-based Institute will establish novel cancer cures, through sharing expertise with major leaders in world-class oncology research. The Noujaim Institute is a non-profit organization funded by peer-reviewed research grants, research contracts, and by private donation.

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events

SCHOOL OF BUSINESS

THE CENTRE FOR EXECUTIVE AND MANAGEMENT DEVELOPMENT

June 19, 8:30 a.m. to 3:30 p.m.

The Centre for Executive and Management Development is pleased to announce that it will be hosting Tom Peters at the Telus Centre for Professional Development. Title: Tom Peters: From Excellence to WOW! He will be presenting his latest strategies in From Excellence to WOW! Reinventing the rules for the Brand New Workplace. For more information please visit www.cemd.ca or call (780) 492-8502.

CANADIAN COCHRANE SYMPOSIUM 2001

The Canadian Cochrane Symposium 2001 will be held in Edmonton, Alberta November 22-24, 2001. Location: Bernard Snell Hall. Times: 8:30 a.m. to 9:30 p.m. The Symposium will include presentations and hands-on sessions focused on the theme of "Marketing the Evidence" for good healthcare decision making. Speakers will cover the Canadian and International perspectives of this topic. Deadlines for submission of abstracts is June 15, 2001. For more information, please visit the Symposium website at: <http://www.ualberta.ca/CCNC/symposium2001>

BOOK LAUNCH

Celebrate the launch of the latest book by Douglas Barbour, "Lyric/Anti-lyric: essays on contemporary poetry." Orlando Books, Bloomsbury Room, 10123 - 82nd Avenue, 432-7633. June 15, 7:30 p.m. All are welcome. Reading - signing - refreshments.

EXHIBITION

UNIVERSITY EXTENSION CENTRE GALLERY

Until July 12

J B Taylor Retrospective. Paintings in this exhibition fall within the 20 year period that Taylor was Professor of Art at the University of Alberta. In 1948, Taylor along with HG Glyde, two of the original art instructors at the University of Alberta, helped to implement and deliver the travelling extension program to rural Albertans. Gallery hours are from 8:00 a.m. to 4:00 p.m. Monday to Friday. Second Floor, University Extension Centre, 8303 - 112 Street. Information: 492-3034.

LUNCH & LEARN PRESENTATIONS

HEALTH RECOVERY SUPPORT UNIT, HUMAN RESOURCES

June 20, 12:00 p.m. - 1:00 p.m.

Steve Knish, Lousage Institute, presents "Managing Anxiety."

June 22, 12:00 p.m. - 1:00 p.m.

Jamie Dyce, Chandler Haave Vandersteen Carter, presents "Recognizing Burnout in Yourself and Others."

June 26, 12:00 p.m. - 1:00 p.m.

Brian Forbes, Wilson Banwell, presents "Overcoming Procrastination."

Presentations take place in Heritage Lounge, Athabasca Hall. Cost: Free! Snacks and cold beverages will be provided. Seating is limited. To register or for more information contact Sarah Treby, 492-0659 or email: sarah.treby@hrs.ualberta.ca

MEDICAL EDUCATION ADVANCE

DEPARTMENT OF MEDICINE

October 2, between noon and 5:00 p.m.

The Department of Medicine is proud to announce it will be hosting a Medical Education Advance at Bernard Snell Hall. This Advance will be of interest and benefit to medical educators, researchers, and clinicians alike as it will cover a wide spectrum of educational topics. This promises to be an exciting event with well known keynote speakers invited to address: Dr. J. Turnbull, University of Ottawa, "Professional Behaviour in Medicine." Dr. R. Hayward, University of Alberta, "Information Technology." Dr. K. Mann, Dalhousie University, "Thinking About Learning." Dr. C. Hodgson, University of California, "The Clinical Educator & Scholarly Work."

NANUC

THE NATIONAL HIGH FIELD NMR CENTRE (NANUC)

August 17, 2001, afternoon

Seminar presentation entitled "Prion Protein Structural Biology and the Mad Cow Crisis" by the preeminent NMR spectroscopist and prion researcher Dr. Kurt Wuthrich. The seminar will take place in Bernard Snell Hall. Everyone is invited. For more information, call Bruce Lix, 492-8530.

PHYSICAL EDUCATION AND RECREATION

10TH CANADIAN CONGRESS ON LEISURE RESEARCH

May 22-25, 2002

The triennial CCLR, sponsored by the Canadian

Association for Leisure Studies and hosted by the University of Alberta Faculty of Physical Education and Recreation, will be held in Edmonton. General information on the Congress, as well as specific information on the recently announced Call for Papers, can be found at www.eas.ualberta.ca/cclr10/

BLIND KAMP RIDES AGAIN

SPECIALIZED SUPPORT AND DISABILITY SERVICES

July 16 to 20, every morning

The annual Blind Kids' Kamp will again be hosted by the University of Alberta this summer thanks to the co-operation of the Technology Training Centre in Cameron Library. Supported jointly by the Canadian National Institute for the Blind, the Alberta Society for the Visually Impaired, the Aroga Group, Inc., and the University's Specialized Support and Disability Services, the camp will provide hands-on training in the latest technology available for blind children. If you are interested in seeing just how competently these young blind people can run computers, please feel free to drop in at the Technology Training Centre between 10 a.m. and 12 noon on Friday, July 20.

STANDARD FIRST AID/HEARTSAVER COURSES

The Office of Environmental Health & Safety has arranged for Standard First Aid/Heartsaver courses to be held on campus once again this year. The training is comprised of two full-day sessions (8:00 a.m. to 4:00 p.m.) with morning, lunch and afternoon breaks. The cost is \$80.00 per person. The first course will be held in early April and the last at the end of October. Registration is limited due to classroom size. For further information and registration forms please call Cindy Ferris at 492-1810 or e-mail cindy.ferris@ualberta.ca

STRONG INTEREST INVENTORY

STUDENT COUNSELLING SERVICES

Need help choosing a major or a career? Then you may be interested in taking the Strong Interest Inventory. During the summer, Student Counselling Services is offering the SII to University students and non-students for \$50.00 (cash only). For more information, contact Student Counselling Services at 492-5205.



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For more information contact
Office of the Vice-President
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EAST CRESTWOOD Lovely spacious executive split level in quiet neighbourhood near river valley, 10 minutes from university and downtown. 3,100 square feet, four-bedrooms, four bathrooms, developed basement, landscaped yard, furnished or unfurnished. \$1,800/month plus utilities. 454-9783.

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VICTORIA PROPERTIES – knowledgeable, trustworthy, realtor with Edmonton references. Will answer all queries, send information, no cost/obligation. "Hassle-free" property management provided. (250) 383-7100, Lois Dutton, Duttons & Co. Ltd. #101 – 364 Moss Street, Victoria, B.C. V8V 4N1

ROSSDALE – unique and bright open plan three bedroom two storey. \$275,000. Janet Fraser, Gordon W.R. King and Associates R.E., 441-6441.

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GARNEAU GARDENS, \$121,500. Walking distance U of A. Condo. Two bedrooms, 1.5 baths, second floor end unit, appliances. Florence Thompson, Prudential Spencer Real Estate, 483-7170.

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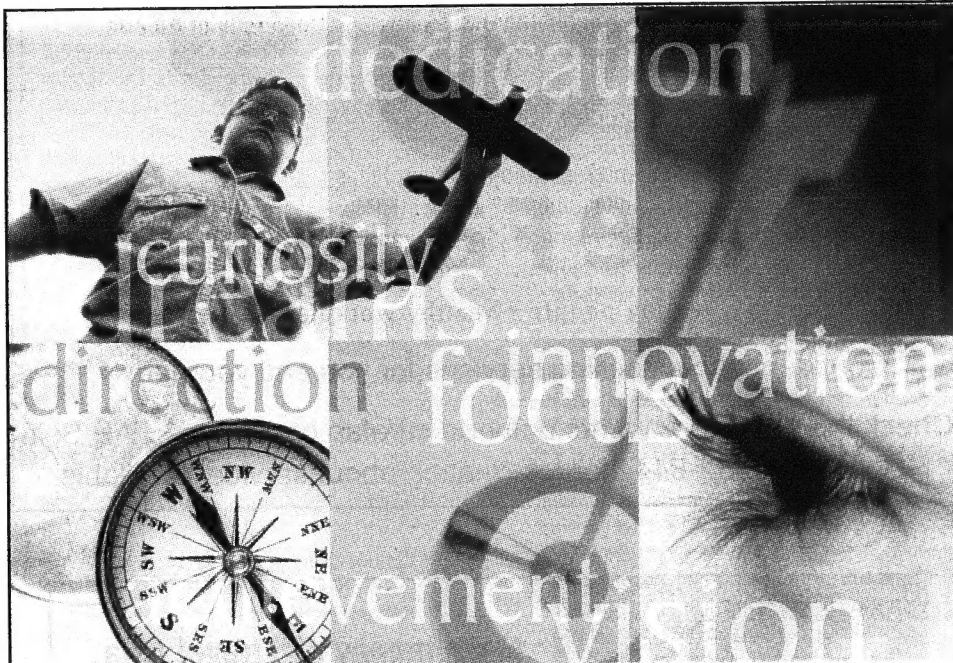
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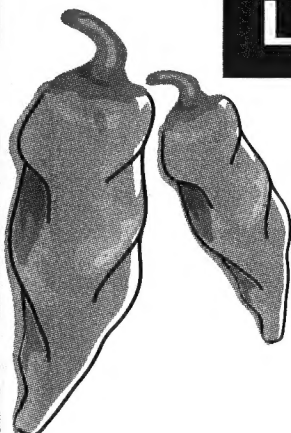
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RESEARCH TECHNOLOGIST CROSS CANCER INSTITUTE UNIVERSITY OF ALBERTA

The department of experimental oncology at the Cross-Cancer Institute has an opening for a senior research technologist position. The technologist will be working for Dr. Brent Zanke, director, Cross Cancer Institute in the areas of cell signaling, gene expression profiling using micro-array technology and in the general area of the biochemistry and molecular biology of cancer. We are looking at B.Sc. or M.Sc level candidates with extensive experience in the area of molecular biology research. Experience in animal handling is a plus. Duties also include general laboratory maintenance. Please send résumé and a list of references to the attention of:

Dr. Sambasivarao Damaraju
4309-Department of Experimental Oncology
Cross Cancer Institute
11560- University Avenue
Edmonton, AB T6G 1Z2
Fax: 780-432-8428
Email: sdamaraj@ualberta.ca

EDITOR, NEW TRAIL MAGAZINE OFFICE OF ALUMNI AFFAIRS UNIVERSITY OF ALBERTA

The Office of Alumni Affairs requires a creative professional to serve as the editor of the University's award-winning alumni magazine, New Trail. The editor is responsible for managing all facets of the publication on a continuing basis. This includes overseeing its editorial and visual design, its budget, the maintenance of schedules and standards, and co-ordination of all phases of its production. In addition, the editor provides leadership and hands-on communications support (writing, editing, graphic design, desktop publishing) to other diverse initiatives of the University of Alberta Alumni Association and Office of Alumni Affairs.

The ideal candidate holds a university degree with a strong communications emphasis; has excellent writing and editing skills; and has a strong working knowledge of graphic design, desktop publishing, and print production. Knowledge of electronic communication media, experience in an educational setting, and a background in journalism would be assets.

This is a two-year contract position with the possibility of renewal. Salary range is \$37,400 - \$60,200 per annum, supplemented by a comprehensive benefits program. The deadline for application is June 22, 2001. Résumés should be forwarded to:

Office of Alumni Affairs
6th Floor, General Services Building
University of Alberta
Edmonton, AB
T6G 2H1
Fax: (403) 492-1568

DIRECTOR BOOKSTORE UNIVERSITY OF ALBERTA

Applications are being accepted for the position of director of the University of Alberta Bookstore. With sales that rank it as one of the top three university bookstores in Canada, over 30,000 students and 5,000 staff are served from three sites. The University of Alberta Bookstore was judged Campus Bookstore of the Year in 2001 by the Canadian Booksellers Association and was awarded the WCCSA Store of the Year in 1996, 1997 and 1998 by the Canadian Publishers Council.

The director should have a degree in a business-related discipline and extensive retail management experience, as well as a strong record of business and operational planning. The successful candidate should also possess excellent relationship management skills, experience as a team player and exhibit a strong service vision for the bookstore. Knowledge of the university environment and its commercial practices would also be an asset.

This full-time continuing Administrative/Professional Officer position offers a salary range of \$55,321 - \$87,591. The acting incumbent will be a candidate for the position. Closing date for applications is June 30, 2001. Please send applications to:

Ernie Ingles
Associate Vice-President (Learning Systems)
1-3J University Hall
University of Alberta
Edmonton, AB
T6G 2J9

BIBLIOTHECAIRE EN CHEF BIBLIOTHEQUE SAINT-JEAN UNIVERSITY OF ALBERTA LIBRARIES

Le réseau des bibliothèques de la University of Alberta, connu depuis longtemps pour l'excellence des services qu'il offre à l'université et aux communautés, est à la recherche d'une personne dynamique pour prendre en charge le fonctionnement et le développement de la Bibliothèque Saint-Jean (BSJ). Le poste de bibliothécaire en chef implique la gestion des ressources humaines, financières et physiques de la BSJ, y compris le développement des collections, la planification et l'établissement des priorités quant aux services, l'évaluation des résultats et la supervision du personnel (8,5 postes). Oeuvrant comme membre d'une équipe, la personne choisie contribuera à la gestion globale des bibliothèques des arts libéraux et sciences sociales, réseau dont est membre la BSJ, participera aux activités de la Faculté Saint-Jean et jouera un rôle de chef de file dans le développement des services de bibliothèque offerts en français dans l'Ouest du Canada.

Le fonds documentaire de plus de cinq millions de volumes de la bibliothèque de la University of Alberta en fait la deuxième bibliothèque de recherche du Canada. La bibliothèque entretient un lien unique avec la communauté élargie, d'une part par le biais de NEOS, un consortium de 19 bibliothèques dans des milieux gouvernementaux, hospitaliers, collégiaux et universitaires et, d'autre part par la Alberta Library. Visitez notre site Web à l'adresse suivante: <http://www.library.ualberta.ca>.

La Bibliothèque Saint-Jean fait partie du réseau des bibliothèques de la University of Alberta. Sa mission principale est de desservir le corps professoral et les étudiants de la Faculté Saint-Jean, faculté francophone qui se distingue au sein de l'univers anglophone de la University of Alberta. La Faculté Saint-Jean offre des programmes menant au BA, au BAA (conjointement avec la Faculty of Business), au BEd, au BEd/AD, au BSc et à la Maîtrise en éducation. La langue principale d'enseignement à la Faculté Saint-Jean est le français. La collection générale de la BSJ, classée selon le système de la Library of Congress, comprend des livres et des périodiques appuyant tous les programmes d'étude et de recherche à la Faculté Saint-Jean. On y retrouve donc des ressources dans les arts et les humanités, les sciences sociales, les sciences de l'éducation et les sciences pures. Des publications officielles sont ajoutées à la collection à tous les ans, étant donné le statut de dépositaire sélectif de la BSJ pour les documents du gouvernement fédéral. La collection de documentation pédagogique et de littérature pour la jeunesse est organisée sur les rayons selon la classification Dewey utilisée dans les écoles de la province. La collection totale de la BSJ a atteint 200 000 unités et comprend un minimum de 350 abonnements à des périodiques. Le français est la langue d'enseignement et de recherche à la Faculté Saint-Jean, mais les membres du personnel à la BSJ travaillent également en anglais lors de contacts avec leurs collègues anglophones, les usagers externes et le grand public.

Les candidates posséderont une MBSI décernée par une école de bibliothéconomie reconnue et une expérience professionnelle d'au moins cinq ans. L'entrevue pour le poste se déroulera en anglais et en français. Les candidat.e.s manifesteront un souci du service à la clientèle, des habiletés exceptionnelles pour la gestion, d'excellentes techniques d'enseignement et de communication, un engagement vis à vis la résolution coopérative de problèmes et des habiletés marquées en gestion de l'information.

Ce poste menant à la permanence est classé comme bibliothécaire de niveau 2. Le salaire varie actuellement entre 53 437\$ et 80 989\$. Les bibliothécaires à la University of Alberta sont considérées membres du personnel académique et bénéficient d'un ensemble généreux d'avantages sociaux. Le concours prend fin le 20 juillet 2001. Les candidates sont priées de faire parvenir, par courrier régulier, télécopieur ou courrier électronique, un curriculum vitae et le nom de trois répondantes à:

Karen Adams
Director of Library Services and Information Resources
Cameron Library
University of Alberta Edmonton, Alberta
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Télécopieur: (780) 492-8302
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La University of Alberta a une vision clairement énoncée: être incontestablement reconnue comme une des meilleures universités au Canada. Cet objectif de maintenir un environnement optimal pour l'apprentissage et la recherche entraîne la nécessité d'investissements importants dans les services de technologie de l'information et dans l'infrastructure, exige un personnel innovateur et débrouillard et s'appuie sur un engagement au processus dynamique de changement. Pour de plus amples informations, consultez la page d'accueil de l'université: <http://www.ualberta.ca>

Conformément aux exigences relatives à l'immigration au Canada, ce poste est offert aux citoyens ne.s

canadien.ne.s et aux résident.e.s permanent.e.s. En l'absence de candidat.e.s citoyennes canadiennes ou résidentes permanentes répondant aux exigences du poste, nous considérerons d'autres personnes.

Les dossiers reçus pour ce concours seront gérés selon les dispositions de la Loi de l'accès à l'information et de la protection des renseignements personnels. La University of Alberta respecte le principe d'équité en matière d'emploi. Comme employeur, elle favorise la diversité dans le milieu du travail et encourage les candidatures de toute personne qualifiée, femmes et hommes, y compris les autochtones, les personnes handicapées et les membres des minorités visibles.

**HEAD LIBRARIAN
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The University of Alberta Libraries, with a long tradition of service excellence to the University and its communities, seek a dynamic individual to take responsibility for operation and development of the Bibliothèque Saint-Jean (BSJ). The head librarian manages the human, financial, and physical resources of BSJ including development of the collection, planning and setting priorities for service, evaluation of outcomes, and supervision of 8.5 staff. Working within a team environment, the successful candidate will contribute to the overall management of the Liberal Arts and Social Sciences Libraries of which BSJ is a part, will participate in the activities of the Faculté Saint-Jean and take a leadership role in the development of French language library services in Western Canada.

The University of Alberta Library is Canada's second-largest research library, with a collection exceeding five million volumes. The library has a unique relationship with the broader community through NEOS, a central Alberta consortium consisting of 19 government, hospital, college and university libraries and through The Alberta Library. Visit our website at <http://www.library.ualberta.ca>.

The Bibliothèque Saint-Jean is part of the larger University of Alberta Libraries system. Its mission is to serve the staff and students and support the programs of study and research of the Faculté Saint-Jean. The Faculté Saint-Jean is a French language faculty within the English language environment of the University of Alberta. The Faculté offers the BA, BAA (jointly with the Faculty of Business), BEd, BEd (After Diploma), BSc and

MEd programs to students in the French language. The Bibliothèque Saint-Jean collection (200,000 volumes, 350 serials) contains resources in the arts and humanities, the social sciences, education and pure sciences, classified according to the Library of Congress. It is a selective depository for federal government publications. It also has an extensive collection of curriculum materials and children's literature arranged in the Dewey classification. While the French language is the language of teaching and research at the Faculté Saint-Jean, staff of the Bibliothèque Saint-Jean must work equally well in English in order to communicate with their English-speaking library colleagues, external users and the public.

Qualifications will include an MLS degree from an accredited library school and at least five years of professional experience. The interview will be conducted in both English and French. Applicants must possess a strong service orientation, superior management skills, excellent instructional and communications skills, a commitment to co-operative solutions and superior information management skills.

This tenure-track position is classified at the Librarian 2 level with a current salary range of \$53,437 to \$80,989. Librarians at the University of Alberta have academic status and participate in a generous benefits program. Closing date for the position is July 20, 2001. To apply please mail, fax or e-mail your résumé and the names of three references to:

Karen Adams
Director of Library Services and Information Resources
Cameron Library
University of Alberta Edmonton, Alberta
T6G 2J8
Fax: (780) 492-8302
e-mail: karen.adams@ualberta.ca

The University of Alberta has a clear vision – to be indisputably recognized as one of Canada's finest universities. The university's vision of the optimum environment for learning and research demands major investment in information technology services and infrastructure, innovative and resourceful staff and commitment to a dynamic process of change. Further information is available on the University's home page at <http://www.ualberta.ca>

In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. If suitable Canadian citizens and permanent residents cannot be found, other individuals will be considered.

talks

Submit talks and events to Cora Doucette by 9 a.m. one week prior to publication. Fax 492-2997 or e-mail at cora.doucette@ualberta.ca.

DEPARTMENT OF BIOCHEMISTRY

June 15, 11:00 a.m.

Alberta Heritage Foundation for Medical Research guest speaker Dr. Daniel Chasman, senior scientist, Variagenics, Inc. Cambridge, MA, speaking on "Predicting the Functional Consequences of Non-Synonymous Single Nucleotide Polymorphisms: Structure-Based Assessment of Amino Acid Variation." NANUC Seminar Room, 101 NANUC Building. Host: Dr. Mark Glover.

June 21, 11:00 a.m.

Alberta Heritage Foundation for Medical Research visiting speaker Dr. Aladár A. Szalay, Loma Linda University School of Medicine, Loma Linda, California, speaking on "Use of Light Emitting Proteins for the Localization of Tumor Suppressor Proteins in Cell Cultures and for the Detection of Tumors in Live Animals." Room 2-31 Medical Sciences Building. Host: Dr. Mike Ellison.

DEPARTMENT OF CELL BIOLOGY

June 25, 9:30 a.m.

Alberta Heritage Foundation for Medical Research guest speaker Dr. Gary A. Eitzen, Postdoctoral Fellow, Department of Biochemistry, Dartmouth Medical School. Topic: "A cascade of four GTPases controls vacuole docking and fusion." Seminar Room, 5-10 Medical Sciences Building.

July 3, 9:30 a.m.

Alberta Heritage Foundation for Medical Research guest speaker Dr. Gordon Chan, research

associate, Institute for Cancer Research, Fox Chase Cancer Centre. Topic: "The Hubbbs in Mitotic Checkpoint Regulation of Chromosome Segregation." Seminar Room, 5-10 Medical Sciences Building.

CENTRE FOR RESEARCH ON LITERACY

July 23, 10:30 a.m. to 12:00 noon

Dr. Paul Hager, University of Technology, Sydney, speaking on "Life, Work and Learning: Practice in Postmodernity." Room 7-152 Education North. Sponsored by the Department of Educational Policy Studies and the Centre for Research on Literacy.

DEPARTMENT OF DENTISTRY

June 19, 12:00 to 1:00 p.m.

Alberta Heritage Foundation for Medical Research visiting speaker Dr. Robert Kusy, MS, PhD, Director of Biomaterials, School of Medicine, University of North Carolina at Chapel Hill. Title: "Dental Applications of Continuous-Fiber Reinforced Composites." Room 4069 Dentistry/Pharmacy Building.

DEPARTMENT OF PHYSIOLOGY

June 22, 3:00 p.m.

Dr. Jonathan Lytton, Departments of Biochemistry and Molecular Biology and Physiology and Biophysics, University of Calgary, speaking on "Molecular diversity of Na/Ca exchanger function." Room 207 Heritage Medical Research Centre.

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DIRECTOR, GRANTS & AWARDS

The Alberta Heritage Foundation for Medical Research (AHFMR) supports medical and health research at Alberta universities, affiliated institutions, and other medical and health research-related institutions. Since 1980, AHFMR has supported more than 6000 research related positions, providing unprecedented opportunities for research careers and contributed more than \$600 million directly to the scientific community.

Reporting to the Vice President –Research, the Director, Grants and Awards will be responsible for the day-to-day administration of the scientific affairs of the Foundation. In addition, the Director will develop and maintain an extensive global network of experts in a broad range of areas which will be critical to the establishment of expert peer-review Committees that review and rate all applications submitted to AHFMR. The Director will also represent AHFMR at meetings and special functions as required and act as Ambassador for the Foundation in the community.

As the ideal candidate for this position, you will have a doctorate degree (or equivalent combination of education and related experience) and a minimum of three to five years experience as an independent investigator in a medical/health research area at the Faculty level. Ideally you will also have administrative, management or equivalent experience. You possess a solid understanding of the research funding environment and have an interest in supporting research nationally and internationally. You are motivated, dedicated and innovative, and have a good understanding of the peer-review process.

If you would like to become a key member of an outstanding organization, submit your resume to Elizabeth Hurley or Anurag Shourie at Davies Park, 904 Oxford Tower, 10235 – 101 Street, Edmonton, Alberta, T5J 3G1; fax at (780) 426-2936; or e-mail: jackie@daviespark.ab.ca. A copy of the position profile may be viewed on our website: www.daviespark.ab.ca

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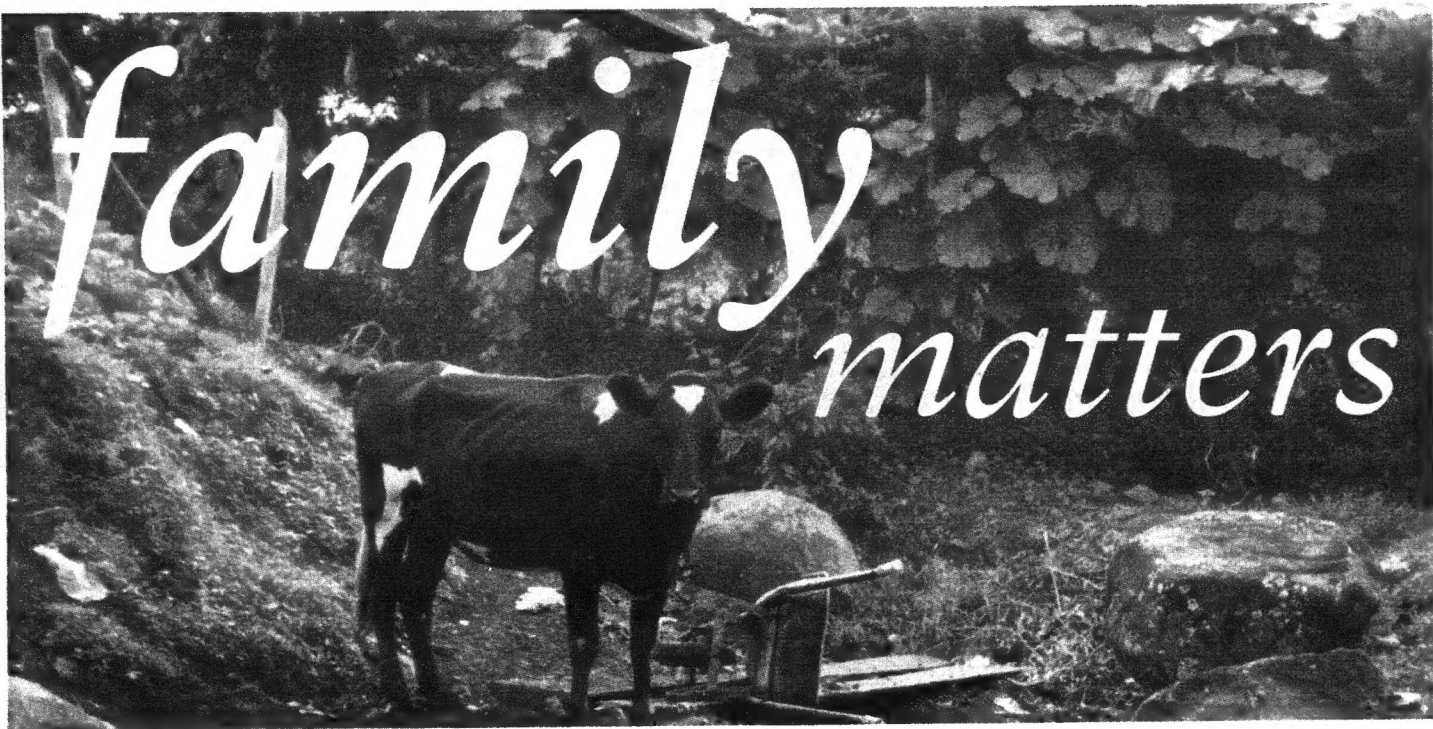


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Field work in Uganda provides rich memories in trade for whole milk

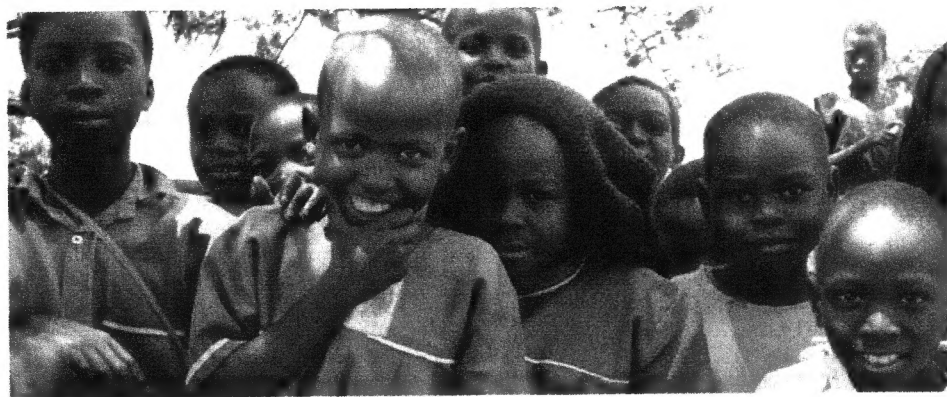
By Annette Flaherty



When I hear of local activities commemorating volunteer contributions in honour of the International Year of the Volunteer, I can't help but bow my head and silently celebrate the 500 family planning volunteers going door to door with information and contraceptives in the villages of Kabarole, western Uganda. This was the scene for my thesis field research on a community-based family planning program and the backdrop for lessons in generosity and commitment to the health of women, children and families.

In Kabarole, where family planning clinics are either too far away or not available at all, trained community volunteers spend eight to 10 hours a week promoting the benefits of family planning to their neighbours. Not an easy or enviable task given that the setting is still rife with religious and male opposition to family planning. The need is clear: Uganda's fertility rate is seven children per woman. Eight per cent of women use modern contraceptives and 50 per cent of women become mothers before reaching the age of 18.

Like the clients they serve, most volunteers live in poverty, are overburdened by the daily struggle for survival, and are often unable to meet the basic needs of their own families. I asked them what the program could do to help them in their work. Expecting screams for salaries, I heard humble requests for food. "We should just be able to earn enough to get some salt, some soap," said one volunteer shyly. "We really are not asking for so much money but just the ability to get some of the little things we need."



Despite the challenges, volunteers are committed to improving the health of families in their villages. "We know women's problems", another volunteer said, "you produce lots of children and then you do not even have the money to send them to school. We really love to help women, we have that commitment, the problem is that the work is frustrating." Besides providing a convenient supply of contraceptives, the volunteers help to reduce the abundance of fears and misconceptions about family planning and encourage partners to communicate about the need to limit or space the birth of their children. In a country ravaged by AIDS, the promotion of safer sexual behaviour and education about HIV are added to the list of volunteer responsibilities.

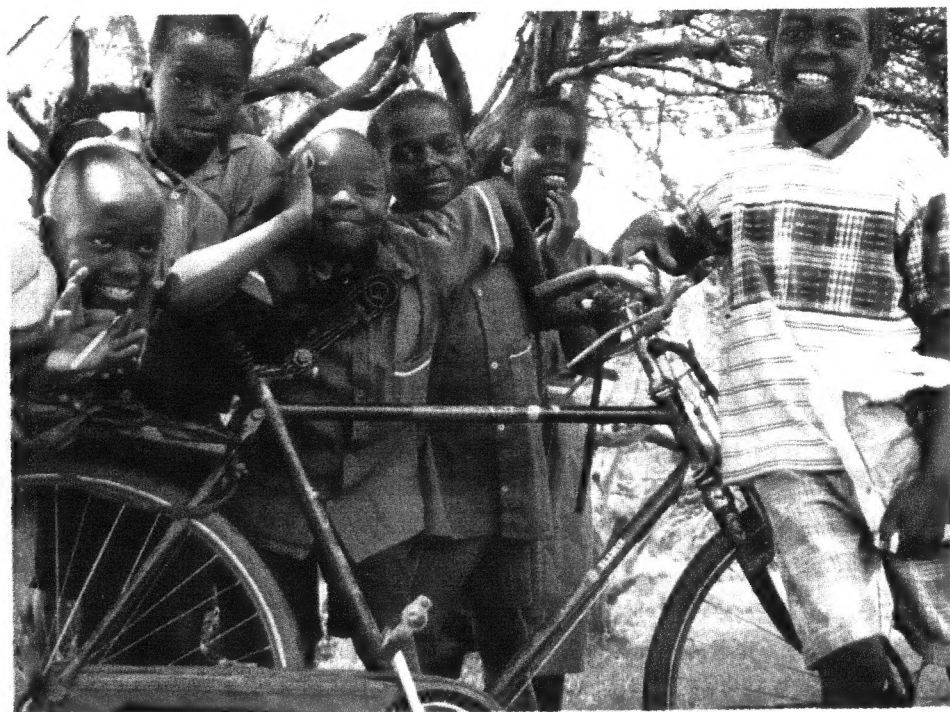
Despite Uganda's success in reducing HIV prevalence, HIV/AIDS continues to have a devastating impact on every facet of Ugandan life. More than 800,000 Ugandan adults and children—the population of Greater Edmonton—were HIV infected at the end of 1999. The magnitude and injustice of the situation was brought home to me one rainy afternoon when 100 enthusiastic adolescents and I crammed into a remote, one-roomed school to talk about responsible reproductive behaviour. I asked them to stand if they had a relative or friend sick or dead because of AIDS. Not one student remained seated. One boy, struggling to find his pubescent voice, respectfully asked, "Madame, we hear that in your

country you have few people with HIV and they have drugs to help them. In my country, we have many people with HIV but they do not have any drugs. Madame, please tell me, why is this so?" I provided a lame and all-too-diplomatic response about the greed of pharmaceutical companies. They retaliated by generously offering me a live, squawking chicken in appreciation for my visit to their school.

Perhaps it was the sense of helplessness generated there that led me to seek refuge at the local baby orphanage. Many of the children are AIDS orphans—close to one million Ugandan children under the age of 15 have lost a mother or both parents to AIDS. My arrival always sent the 31 orphans on a squealing and hugging frenzy. Due to budget cuts and the recent death of the orphanage's milking cow, the children were losing weight and seemed less energetic with every visit.

Unable to finance even the tail of a good milking cow, I e-mailed the idea of buying a cow to my family and friends in Canada. Generous donations, often made in lieu of family Christmas gifts, poured in. Alice, a pregnant Friesian, was presented to the orphanage on my last day in Kabarole. The orphans have the taste of milk on their lips again and I maintain a healthy diet of international co-operation and compassion.

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Clockwise from top left: Bought with money donated by the author's family, Alice the cow provides orphans with fresh milk every day; children cool off at a water pump after school; in uniform, a group of students assembles to have a photo taken; a bicycle is a prestigious mode of transportation for a child so when a student rides one to school, it's worth documenting; a baby is weighed and vaccinated against disease at a planning clinic which offers family planning injections to mothers.

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